Control and signalling units Ø 22

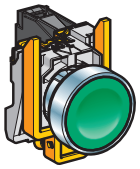
Harmony® XB4, metal

Pushbuttons, switches and pilot lights

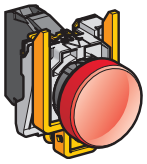
Description

The Ø 22 range of metal control and signalling units comprises:

Complete units with chromium plated metal bezel, XB4 B

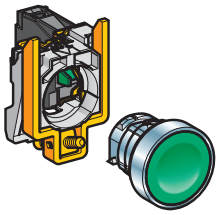


Pushbuttons and switches

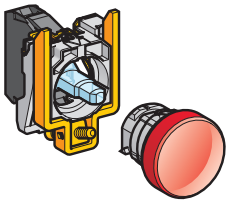


Pilot lights

Sub-assemblies with chromium plated or black metal bezel, ZB4 B

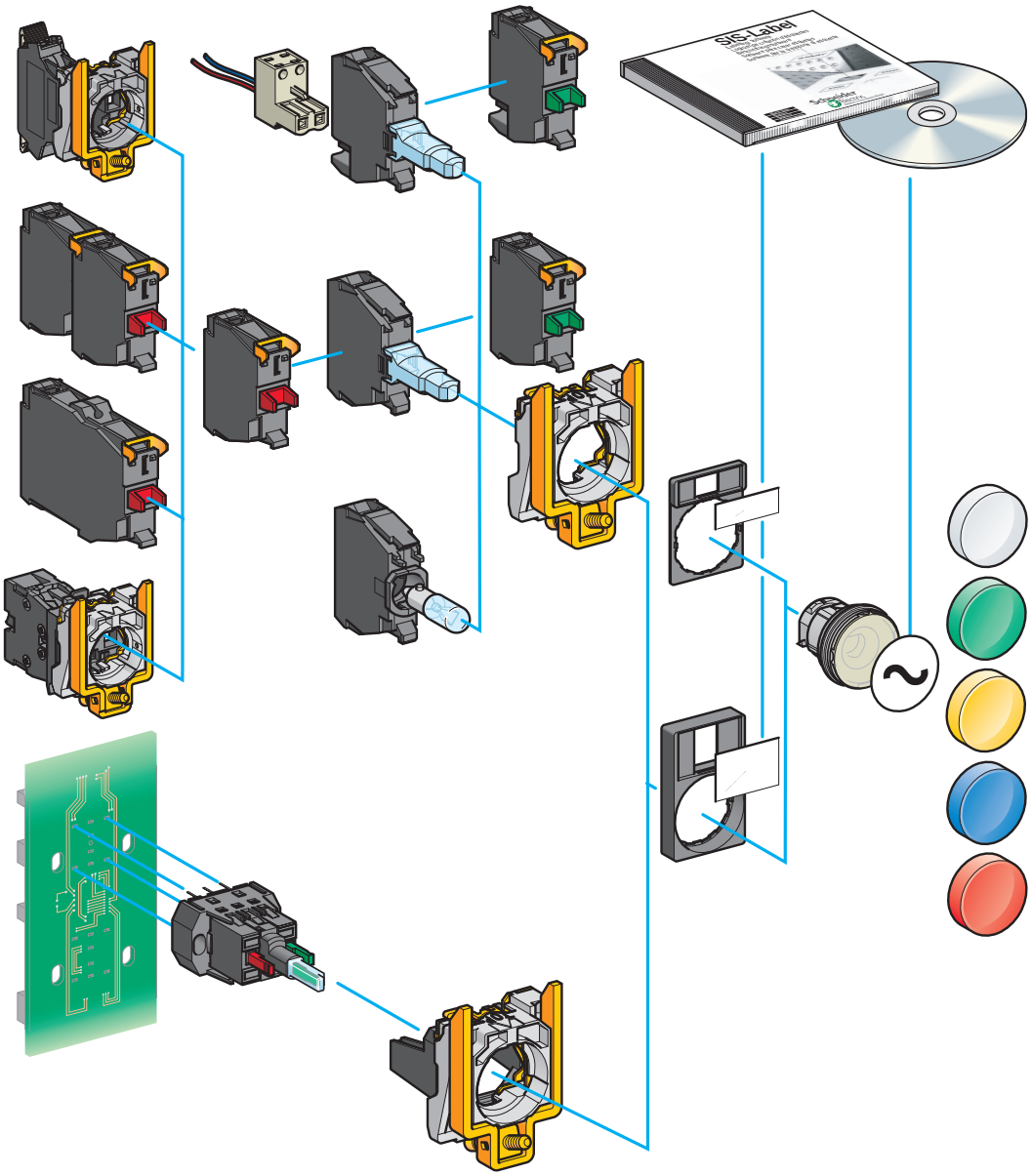


Pushbuttons and switches: body + head sub-assemblies



Pilot lights: body + head sub-assemblies

ZB component parts and accessories



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Schneider Electric

Control and signalling units Ø 22

Harmony® XB4, metal

Pushbuttons, switches and pilot lights

Schematic library

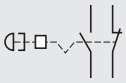
Contact functions (pushbuttons, Emergency stop and Emergency switching off pushbuttons)

Pushbutton
N/O contact

Pushbutton
N/C contact

Mushroom head spring return
N/O contact

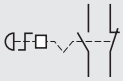
Emergency switching off
mushroom head pushbutton-
Push-pull N/C contact



Emergency stop trigger
action mushroom head - Push-pull
N/O + N/C contacts

Emergency switching off
- Turn to release
N/C contact

Emergency switching off
- Turn to release, with key
N/C contact



Emergency stop trigger action
mushroom head - Turn to release
N/O + N/C contacts

Emergency stop trigger
action mushroom head
Turn to release, with key
N/O + N/C contacts

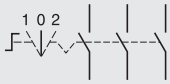
Double-headed pushbutton
N/O + N/C contacts

Early make contact block
N/O contact

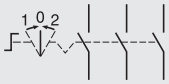
Late break contact block
N/C contact

Contact functions (selector switches)

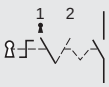
Selector switch 2-position stay put
N/O contact



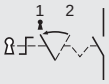
Selector switch 3-position stay put
N/O+N/O+N/O contacts



Selector switch 3-position
2 spring return to centre
N/O+N/O+N/O contacts



Selector switch 2-position stay put,
key withdrawal from LH position -
N/O contact

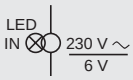


Selector switch 2-position spring return from right to left,
key withdrawal from LH position
N/O contact

Signalling functions

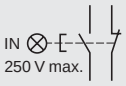
Pilot light with BA 9s
incandescent bulb

LED pilot light

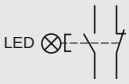


Pilot light with integral transformer 230 V primary, 6 V secondary
BA 9s bulb, incandescent or LED

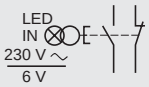
Combined functions, contact + signalling (pushbuttons and selector switches)



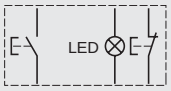
Illuminated pushbutton,
BA 9s incandescent bulb
N/O+N/C contacts



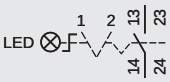
Illuminated pushbutton
LED - N/O+ N/C contacts



Illuminated pushbutton with integral transformer
230 V ∼ 50/60 Hz primary, 6 V secondary
BA 9s bulb, incandescent or LED - N/O+ N/C contacts



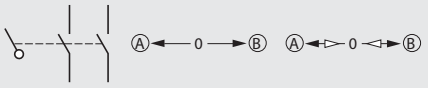
Double-headed pushbutton with LED pilot light



Illuminated selector switch with LED, 2-position stay put
N/O + N/C contacts

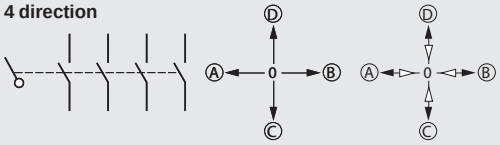
Joystick controller functions

2 direction



Without spring return **With spring return**

4 direction



Without spring return **With spring return**

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Control and signalling units Ø 22

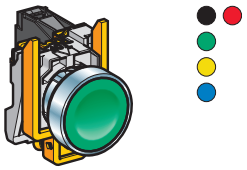
Harmony® XB4, metal

Pushbuttons, switches and pilot lights:
complete units, XB4 B

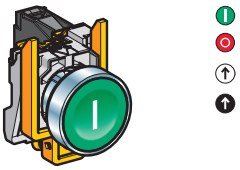
Complete units

Contact functions

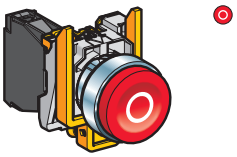
Pushbuttons, spring return, with chromium plated metal bezel



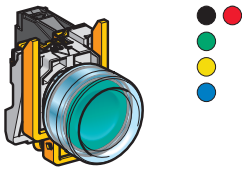
Flush push, unmarked
XB4 BA●1/BA42
see page 20



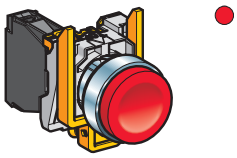
Flush push, with marking
XB4 BA3311
see page 22



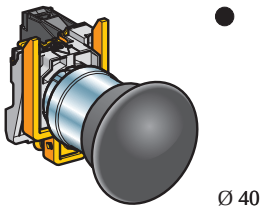
Projecting push, with marking
XB4 BL4322
see page 22



Booted flush push
XB4 BP●1/BP42
see page 21

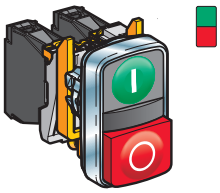


Projecting push, unmarked
XB4 BL42
see page 20

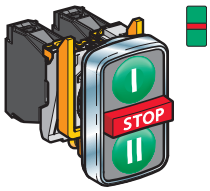


Mushroom head
XB4 BC21
see page 28

Multiple-headed pushbuttons, spring return, with chromium plated metal bezel

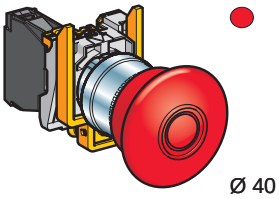


Double-headed
XB4 BL73415
see page 26



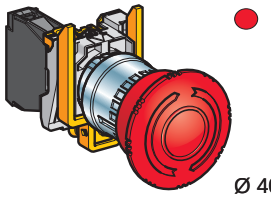
Triple-headed
XB4 BA731327/XB4 BA711237
see page 27

Emergency Stop or Emergency switching off mushroom head pushbuttons, Ø 40, with chromium plated metal bezel

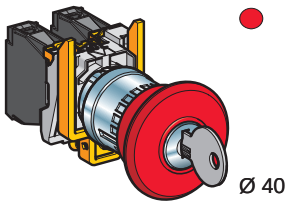


Emergency stop trigger action and mechanical latching

Push-pull (EN/ISO 13850: 2006)
XB4 BT845
see page 30



Turn to release (EN/ISO 13850: 2006)
XB4 BS844●
see page 30



Key release (EN/ISO 13850: 2006)
XB4 BS9445
see page 30

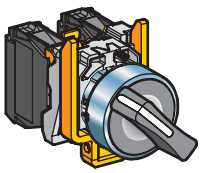
Emergency switching off mechanical latching

Push-pull (IEC 60364-5-53)
XB4 BT42
see page 31

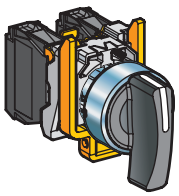
Turn to release (IEC 60364-5-53)
XB4 BS542
see page 31

Key release (IEC 60364-5-53)
XB4 BS142
see page 31

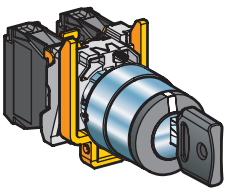
Selector switches and key switches, with chromium plated metal bezel



Standard handle, black
XB4 BD●●
see page 34



Long handle, black
XB4 BJ●●
see page 35



Key switch
XB4 BG●●
see page 36

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page 73

Control and signalling units Ø 22

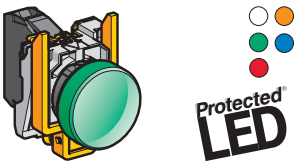
Harmony® XB4, metal

Pushbuttons, switches and pilot lights: complete units, XB4 B

Complete units

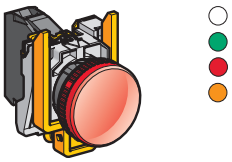
Signalling functions

Pilot lights



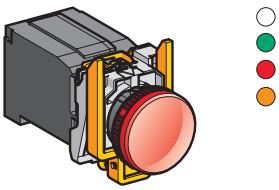
Integral LED

XB4 BVB●/BVG●/BVM●
see page 40



For bulb with BA 9s base fitting
Direct supply

XB4 BV6●
see page 41



Via integral transformer with secondary

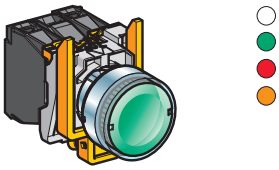
XB4 BV3●/BV4●
see page 41

Combined functions (contact + signalling)

Illuminated pushbuttons, spring return, flush push, chromium plated metal bezel

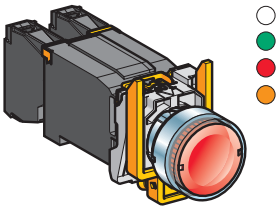
Integral LED

XB4 BW3●B5/BW3●G5/BW3●M5
see page 23



For bulb with BA 9s base fitting
Direct supply

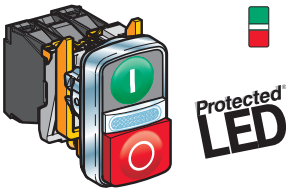
XB4 BW3●65
see page 25



Via integral transformer

XB4 BW3●35/BW3●45
see page 25

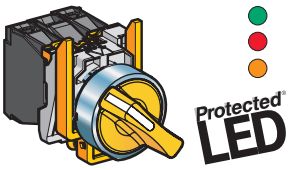
Double-headed pushbuttons + pilot light block, spring return, chromium plated metal bezel



Integral LED

XB4 BW73731●5
XB4 BW7A●●●●
XB4 BW7A9
XB4 BW7L374●
see page 26

Illuminated selector switches with standard handle, chromium plated metal bezel



Integral LED

XB4 BK12●●5, XB4 BK13●●5
see page 38

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Control and signalling units Ø 22

Harmony® XB4, metal

Pushbuttons, switches and pilot lights: sub-assemblies, ZB4 B

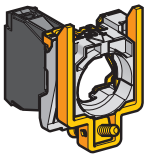
Non illuminated units for user assembly

Contact functions

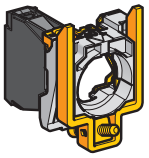
Body sub-assemblies

Head sub-assemblies, chromium plated or black metal bezel

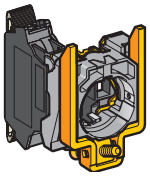
For pushbuttons, spring return, unmarked



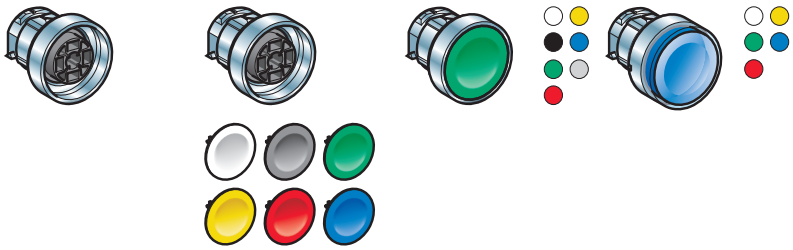
Screw clamp terminals
ZB4 BZ10●/BZ141
page 44



Faston
ZB4 BZ10●3
page 48



Spring clamp terminals
ZBE 10●5
ZB4 BZ10●5
page 46

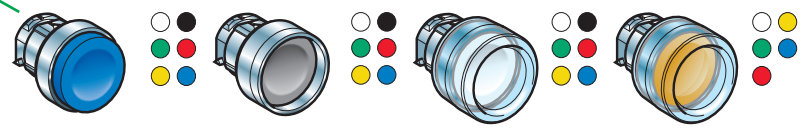


Flush push without cap
ZB4 BA0
page 20

Flush push with set of 6 caps
ZB4 BA9
page 20

Flush push
ZB4 BA●
page 20

Flush push for insertion of legend
ZB4 BA●8
page 20



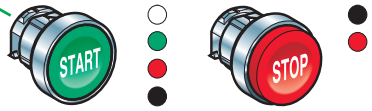
Projecting push
ZB4 BL●
page 20

Recessed push
ZB4 BA●6
page 21

Booted flush/ projecting push
ZB4 BP●/ BP●S
page 21

Booted flush push for insertion of legend
ZB4 BP●8
page 21

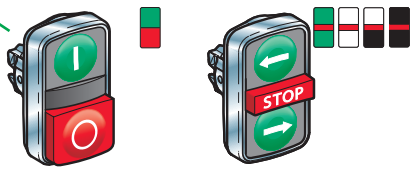
For pushbuttons, spring return, with marking



Flush push
ZB4 BA●3●/BA●4●
ZB4 BA334/335
page 22

Projecting push
ZB4 BL●3●
page 22

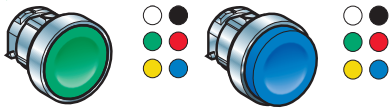
For multiple-headed pushbuttons, spring return



Double-headed pushbuttons
ZB4 BA7●●●
ZB4 BA79
ZB4 BL734●
page 26

Triple-headed pushbuttons
ZB4 BA7313●
ZB4 BA711●●
ZB4 BA72124
ZB4 BA791
page 27

For "push-push to release" pushbuttons



Flush push
ZB4 BH0●
page 32

Projecting push
ZB4 BH●
page 32

Characteristics : page 14
References : page 20
Dimensions : page 68

Control and signalling units Ø 22

Harmony® XB4, metal

Pushbuttons, switches and pilot lights: sub-assemblies, ZB4 B

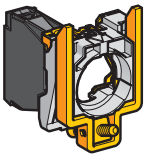
Non illuminated units for user assembly *(continued)*

Contact functions

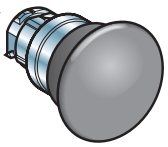
Body sub-assemblies

Head sub-assemblies, chromium plated or black metal bezel

For mushroom head pushbuttons

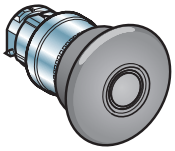


Screw clamp terminals
ZB4 BZ10●/BZ141
page 44



Ø 30
Ø 40
Ø 60

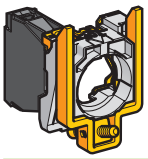
Spring return
ZB4 BC●/BR●
see page 28



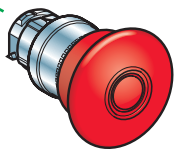
Ø 30
Ø 40
Ø 60

Latching
ZB4 B●2/BS●2/BS55
see page 29

For Emergency Stop or Emergency switching off mushroom head pushbuttons

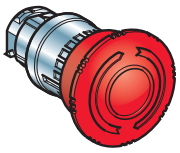


Faston
ZB4 BZ10●3
page 48



Ø 30
Ø 40
Ø 60

Push-pull (EN/ISO 13850: 2006)
ZB4 BT84
see page 30



Ø 30
Ø 40
Ø 60

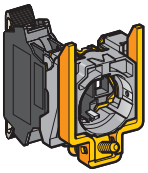
Turn to release (EN/ISO 13850: 2006)
ZB4 BS8●4
see page 30

Emergency stop trigger action and mechanical latching

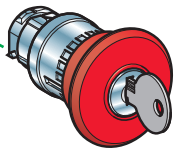
Emergency switching off mechanical latching

Push-pull (IEC 60364-5-3)
ZB4 BT4/BX4
see page 31

Turn to releasel (IEC 60364-5-3)
ZB4 BS44/BS54/BS64
see page 31



Spring clamp terminals
ZBE 10●5
ZB4 BZ10●5
page 46



Ø 30
Ø 40
Ø 60

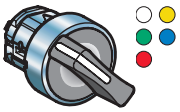
Key release (EN/ISO 13850: 2006)
ZB4 BS9●4
see page 30

Emergency stop trigger action and mechanical latching

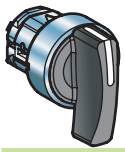
Emergency switching off mechanical latching

Key release (IEC 60364-5-3)
ZB4 BS74/BS14/BS24
see page 31

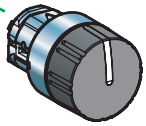
For selector switches and key switches



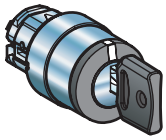
Standard black handle *(1)*
ZB4 BD●
page 34



Long black handle *(1)*
ZB4 BJ●
page 35

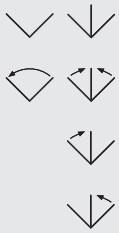


Knurled black knob *(1)*
ZB4 BD●9
page 37

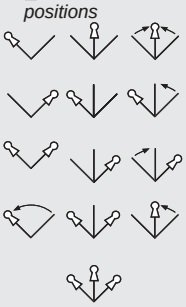


Key switch *(2)*
ZB4 BG●●/BG●TEC10
page 37

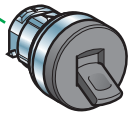
(1) Switch handle and knob positions



(2) Key switch positions
Key withdrawal positions

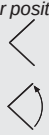


For toggle switches



2-position lever *(3)*
ZB4 BD●8, see page 37

(3) Lever positions



Characteristics : page 14
References : page 20
Dimensions : page 68

Control and signalling units Ø 22

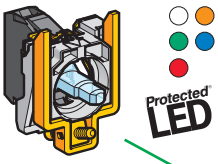
Harmony® XB4, metal

Pushbuttons, switches and pilot lights: sub-assemblies, ZB4 B

Pilot lights for user assembly

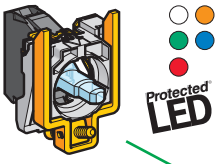
Signalling functions

Body sub-assemblies with integral LED



Connection: screw clamp terminals

ZB4 BVJ/BVB/BVG/BVM
see page 52

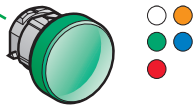


Connection: plug-in connector

ZB4 BVB●4/BVG●4/BVM●4

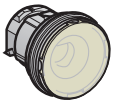
please consult your Regional Sales Office

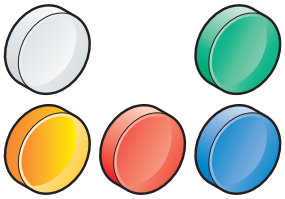
Head sub-assemblies



With lens fitted

ZB4 BV0●3
see page 40





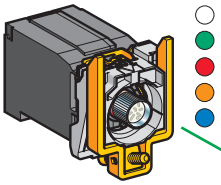
With 5 separate lenses, not fitted

ZB4 BV003
see page 40

Body sub-assemblies for BA 9s bulb

Direct supply
Connection: screw clamp terminals

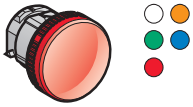
ZB4 BV6
see page 55



Via integral transformer
Connection: screw clamp terminals

ZB4 BV●D●
see page 55

Head sub-assemblies



With lens fitted

ZB4 BV0●, ZB4 BV0●S
see page 41

Control and signalling units Ø 22

Harmony® XB4, metal

Pushbuttons, switches and pilot lights: sub-assemblies, ZB4 B

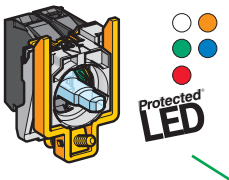
Illuminated pushbuttons for user assembly

Combined functions (contact + signalling)

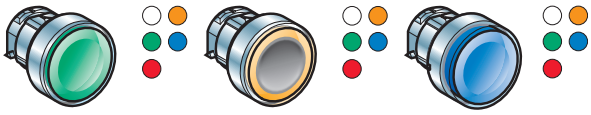
Body sub-assemblies with integral LED

Head sub-assemblies, chromium plated or black metal bezel

For illuminated pushbuttons, spring return



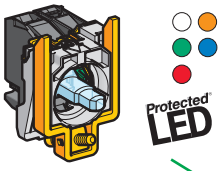
Screw clamp terminals
ZB4 BW0B/BW0G/ BW0M
page 50

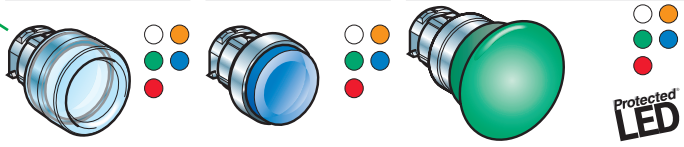


Flush push
ZB4 BW3●3
page 24

Flush push with illuminated ring
ZB4 BW9●3
page 24

Flush push for insertion of legend
ZB4 BA●8
page 24





Booted flush push
ZB4 BW5●3
page 24

Projecting push
ZB4 BW1●3,
ZB4 BW1●3S
page 24

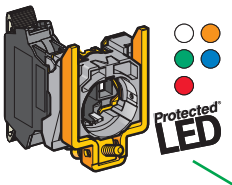
Mushroom head, spring return
ZB4 BW4●3
page 28

For illuminated double-headed pushbuttons, spring return

Plug-in connector
ZB4 BW0B●●4
please consult your Regional Sales Office

Double-headed (flush/flush push) + central pilot light
Triple-headed (flush/projecting push) + central pilot light
ZB4 BW7A17●● / ZB4 BW7A374● / ZB4 BW7A9 / ZB4 BW7L374●, see page 26
ZB4 BA7313●, ZB4 BA71●●●, ZB4 BA72124, ZB4 BA791, see page 27

For illuminated "push-push to release" pushbuttons and illuminated selector switches with standard handle



Spring clamp terminals
ZBV ●●●
page 46

Flush or projecting "push-push to release"
ZB4 BH0●3/BH●3
see page 33

Selector switches with standard handle
ZB4 BK1●●3
see page 39

For illuminated mushroom head pushbuttons

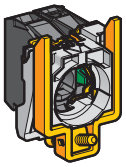
Mushroom head, latching
ZB4 BW6●3
see page 29

Emergency switching off, mechanical latching, push-pull
ZB4 BW643
see page 31

Body sub-assemblies for BA 9s bulb

Head sub-assemblies, chromium plated or black metal bezel

For illuminated pushbuttons, spring return



Direct supply or via integral transformer
Screw clamp terminals
ZB4 BW0●●●
page 54

Flush push
ZB4 BW3●,
ZB4 BW3●S
page 25

Projecting push
ZB4 BW1●,
ZB4 BW1●S
page 25

Control and signalling units Ø 22

Harmony® XB4 metal

Pushbuttons, switches and pilot lights

Environment			
Protective treatment standard version			"TH" treatment
Ambient air temperature around the device	Storage	**°C**	- 40…+ 70
	Operation	**°C**	- 25…+ 70: LED and neon bulb versions - 25…+ 55: incandescent bulb version
Electric shock protection	Conforming to IEC 61140		Class I
Degree of protection	Conforming to IEC 60529		IP 66 IP 69 K (Selector switches and multiple-headed pushbuttons)
	Conforming to NEMA		NEMA type 4X and 13, unless otherwise stated
Resistance to high pressure washer		**Pa**	70 x 10^5 (70 bar); distance: 0.1 m Temperature: 55°C
Mechanical shock protection	Conforming to IEC 50102		Non illuminated heads: IK 03 Illuminated heads: IK 05 Selector switch heads: IK 06
Conforming to standards			EN/IEC 60947-1, EN/IEC 60947-5-1, EN/IEC 60947-5-4, EN/IEC 60947-5-5, EN/IEC 60204-1 and EN/ISO 13850:2006 (Emergency stop trigger action and mechanical latching pushbuttons, see page 30), IEC 60364-5-53 (Emergency switching off mechanical latching pushbuttons, see page 31) JIS C 4520, UL 508, CSA C22-2 n° 14
Product certifications	UL Listed, CSA		Standard single contacts with screw clamp and spring terminals: A600; Q600 Double contacts with screw clamp terminals: A600; Q600 Light blocks with screw clamp terminals Joystick controllers XD4 PA/ZD4 PA: A600; R300 Special contact blocks: □ ZBE 201: A300; Q300 □ ZBE 202: A600; Q600 Single contacts for high power switching: □ ZBE 501 and ZBE 502: A300; P300
	UL Recognized, CSA		Standard single contacts for plug-in connector: A300; R300 Standard contacts for printed circuit board: B300; R300
	BV, RINA, LROS, DNV, GL		Standard single contacts and double contacts with screw clamp or spring terminals:
Terminal referencing	Conforming to EN 50005 and EN 50013		
Characteristics of contact or combined contact and signalling functions **(see page 18)**			
Mechanical characteristics			
Contact operation	N/C or N/O		Slow break
Positive operation	Conforming to EN/IEC 60947-5-1 appendix K		All functions incorporating a N/C contact have positive opening operation
Operating travel (to change the electrical state)	Pushbutton	**mm**	Changing N/C state: 1.5 Changing N/O state: 2.6 Total travel: 4.3
Operating force	Pushbutton	**N**	Changing N/C state: 3.5 Changing N/O state: 3.8
	Additional contact only (extra to change state)	**N**	Single N/C contact: 2 Single N/O contact: 2.3
		N	Double N/C contact: 3.4 Double N/O contact: 5 Double contact N/C + N/O: 4.6
	Emergency stop or Emergency switching off with N/C + N/O	**N**	Standard push-pull: 45 Trigger action push-pull: 50
		N	Standard turn to release and key release: 40 Trigger action turn to release and key release, "trigger action": 44

General: page 6
References: page 20
Dimensions: page 68

Characteristics of contact or combined contact and signalling functions (continued) (see page 18)

Mechanical characteristics (continued)

Operating torque (to change the electrical state)	Selector switches		**N.m**	N/O contact: 0.14
	Additional contact only		**N.m**	N/O contact: 0.05
Mechanical durability (in millions of operating cycles)	Pushbutton	Spring return		5
		Multiple-headed		1
		Push-push to release		0.5
	Selector switch	Non illuminated		1
		Illuminated		0.5
	Toggle switch			0.5
	Emergency Stop or Emergency switching off pushbutton			0.3 with 3 contacts
	Joystick controller			1
	Standard contact block only			5
	Low power switching contact block only (dust protected)			0.5
Vibration resistance	Conforming to IEC 60068-2-6			Frequency: 2 to 500 Hz: 5 gn
Mechanical shock resistance	Conforming to IEC 60068-2-27			All functions except mushroom head pushbuttons, spring return: □ half sine wave acceleration 11 ms: 50 gn □ half sine wave acceleration 18 ms: 30 gn
				Mushroom head pushbutton, spring return: □ half sine wave acceleration 11 ms: 10 gn

Electrical characteristics

Cabling capacity	Conforming to EN/IEC 60947-1	**mm²**	Standard block with screw clamp or spring terminals: Min: 1 x 0.22 without cable end Max: 2 x 1.5 with cable end Cross headed screws (Pozidriv or Philips type 1), slotted for flat 4 and 5.5 mm screwdriver Tightening torque: 0.8 N.m (maxi 1.2 N.m) Contact blocks for high power switching: Min: 1 x 0.5 without cable end Max: 2 x 2.5 with or without cable end
Contact material	Silver alloy (Ag / Ni)		Standard single and double blocks with screw clamp or spring terminals Blocks for plug-in connector Standard blocks for printed circuit board connection
	Gold flashed (Ag / Ni / Au)		Low power switching contact blocks with screw clamp terminals Low power switching contact blocks for printed circuit board connection
Short-circuit protection	Conforming to EN/IEC 60947-5-1d	**A**	Standard single and double blocks with screw clamp or spring terminals: 10 (gG cartridge fuse conforming to IEC 60269-1) Blocks for plug-in connector: 4 (gG cartridge fuse conforming to IEC 60269-1) Standard blocks for printed circuit board connection: 4 (gG cartridge fuse conforming to IEC 60269-1)
Rated thermal current	Conforming to EN/IEC 60947-5-1	**A**	Standard single and double blocks with screw clamp or spring terminals: 10 Blocks for plug-in connector: 10 Standard blocks for printed circuit board connection: 6
Rated insulation voltage	Conforming to EN/IEC 60947-1	**V**	Standard single and double blocks with screw clamp or spring terminals: Ui = 600, degree of pollution 3 Blocks for plug-in connector or Faston connectors: Standard blocks for printed circuit board connection Contact blocks for high-power switching: Ui = 250, degree of pollution 3
Rated impulse withstand voltage	Conforming to /IEC 60947-1	**kV**	Standard single and double blocks with screw clamp or spring terminals:Uimp = 6 Blocks for plug-in connector Standard blocks for printed circuit board connection Contact blocks for high-power switching applications: Uimp = 4

Characteristics of contact or combined contact and signalling functions (continued) (see page 18)

Electrical characteristics (continued)

Rated operational characteristics Conforming to EN/IEC 60947-5-1		a.c. supply: utilisation category AC-15		**Standard single and double blocks with screw clamp or spring terminals:** A600: Ue = 600 V and Ie = 1.2 A or Ue = 240 V and Ie = 3 A or Ue = 120 V and Ie = 6 A **Blocks for plug-in connector:** A300: Ue = 120 V and Ie = 6 A or Ue = 240 V and Ie = 3 A **Standard blocks for printed circuit board connection:** B300: Ue = 120 V and Ie = 3 A or Ue = 240 V and Ie = 1.5 A **Special contact blocks:** □ ZBE 201: A300: Ue = 240 V and Ie = 3 A or Ue = 120 V and Ie = 6 A (with insulation voltage Ui = 500 V) □ ZBE 202: A600: Ue = 600 V and Ie = 1.2 A or Ue = 240 V and Ie = 3 A or Ue = 120 V and Ie = 6 A **Contact blocks for high power switching:** □ ZBE 50●: A300: Ue = 240 V and Ie = 3 A or Ue = 120 V and Ie = 6 A
		d.c.supply: utilisation category DC-13		**Standard single and double blocks with screw clamp or spring terminals** Q600: Ue = 600 V and Ie = 0.1 A or Ue = 250 V and Ie = 0.27 A or Ue = 125 V and Ie = 0.55 A **Joystick controllers XD4 PA/ZD4 PA:** R300: Ue = 125 V and Ie = 0.22 A or Ue = 250 V and Ie = 0.1 A **Blocks for plug-in connector:** R300: Ue = 125 V and Ie = 0.22 A or Ue = 250 V and Ie = 0.1 A **Standard blocks for printed circuit board connection:** R300: Ue = 125 V and Ie = 0.22 A or Ue = 250 V and Ie = 0.1 A **Special contact blocks:** □ ZBE 201: Q300; Ue = 125 V and Ie = 0.55 A or Ue = 250 V and Ie = 0.27 A □ ZBE 202: Q600; Ue = 600 V and Ie = 0.1 A or Ue = 250 V and Ie = 0.27 A or Ue = 125 V and Ie = 0.55 A **Contact block for high power switching:** □ ZBE 50●: P300: Ue = 125 V and Ie = 1.1 A or Ue = 250 V and Ie = 0.55 A
Characteristics of special contact blocks	Low power switching		**VA** **A** **V**	P max: 12 I max: 0.1 U max: 24
	High power switching Conforming to IEC/EN 60947-5-1	100 000 operating cycles Load factor: 0.5 Operating rate: 900 cycles/hour	**VA** **A** **V**	P max: 240 I max: 10 U: 24 ⎓
Electrical durability Conforming to EN/IEC 60947-5-1 appendix C Operating rate 3600 operating cycles/hour Load factor: 0.5		a.c. supply for 1 million operating cycles utilisation category AC-15		Standard single blocks with screw clamp or spring terminals:
			V **A**	24 / 120 / 230 4 / 3 / 2
				Standard double blocks with screw clamp terminals and blocks for plug-in connector:
			V **A**	24 / 120 / 230 3 / 1.5 / 1
		d.c. supply for 1 million operating cycles utilisation category DC-13		Standard single blocks with screw clamp or spring terminals:
			V **A**	24 / 110 0.5 / 0.2
				Standard double blocks with screw clamp terminals and blocks four plug-in connector:
			V **A**	24 / 110 0.4 / 0.15
Electrical reliability Failure rate Conforming to EN/IEC 60947-5-4		In clean environment		Standard blocks: - at 17 V and 5 mA, $\lambda < 10^{-8}$ - at 5 V and 1 mA, $\lambda < 10^{-6}$ Special blocks with gold flashed contacts for low power switching: - at 5 V and 1 mA, $\lambda < 10^{-7}$
		In dusty environment		Special blocks with gold flashed contacts and dust protection for low power switching only: - at 5 V and 1 mA, $\lambda < 10^{-7}$

Characteristics of illuminated units (pilot lights)

Mechanical characteristics			
Vibration resistance	Conforming to IEC 60068-2-6		Frequency: 12 to 500 Hz: 5 gn
Electric shock resistance	Conforming to IEC 60068-2-27		Half sine wave acceleration 11 ms: 50 gn Half sine wave acceleration 18 ms: 30 gn
Electrical characteristics			
Cabling capacity	Conforming to EN/IEC 60947-1	**mm²**	Screw clamp and spring terminals Min: 1 x 0.22 without cable end (1 x 0.34 for linking) Max: 2 x 1.5 with cable end
Rated insulation voltage	Conforming to EN/IEC 60947-1	**V**	Direct supply pilot light blocks (BA 9s bulb): Ui = 250, degree of pollution 3 Pilot light blocks with integral LED: Ui = 250, degree of pollution 3 Pilot light blocks with transformer: Ui = 600, degree of pollution 3
Rated impulse withstand voltage	Conforming to EN/IEC 60947-1	**kV**	Direct supply pilot light blocks (BA 9s bulb): Uimp = 4 Pilot light blocks with integral LED: Uimp = 4 Pilot light blocks with transformer: Uimp = 6

Specific characteristics of single light blocks with integral LED

Voltage limits	For rated voltage	**V**	12 V: 10 to 15 ⎓; 10.2 to13.8 ∿ 24 V: 19.2 to 30 ⎓; 21.6 to 26.4 ∿ 24 to 120 V: 19.2 to 132 ⎓; 21.6 to 132 ∿ 48 to 120 V: 40 to 132 ∿ 230/240 V: 195 to 264 ∿
Current consumption	Applicable to all colours	**mA**	Blocks with ⎓ 12 V supply: 18 Blocks with ⎓ 24 V supply: 18 Blocks with ∿ 120 V supply: 14 Blocks with ∿ 240 V supply: 14
Service life	At rated voltage and at an ambient temperature of 25 °C	**H**	100 000
Surge withstand	Conforming to IEC 61000-4-5	**kV**	1
Resistance to fast transients	Conforming to IEC 61000-4-4	**kV**	2
Resistance to electromagnetic fields	Conforming to IEC 61000-4-3	**V/m**	10
Resistance to electrostatic discharges	Conforming to IEC 61000-2-6	**kV**	8: in free air, in insulating parts 6: on contact, on metal parts
Direct parallel connection across inductive load e.g.: contactor coil or solenoid	Maximum power of load	**VA**	For high power applications (⩾ 30 VA), a **ZBZ V●** LED suppressor must be connected across the light block terminals (see page 45)
Electromagnetic emission	Conforming to IEC 55011		Class B

Specific characteristics

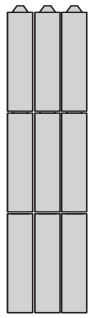
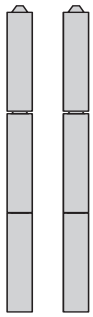
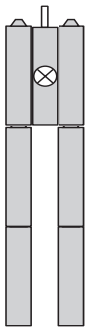
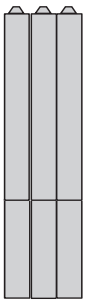
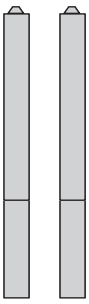
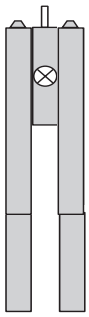
Body/fixing collar			
Tightening torque of fixing screw		**N.m**	0.8 (max 1.2)
Hour counters and annunciators			
Voltage limits	Hour counter and annunciator		± 10% of the nominal voltage
Current consumption	Hour counter	**mA**	XB5 DSB: 7 to 15 XB5 DSG: 8 XB5 DSM: 8
	Annunciator	**mA**	5

Control and signalling units Ø 22

Harmony® XB4 metal

Contact mounting - Contact sequence

Maximum recommended configurations guaranteeing achievement of catalogue characteristics

Unit type (complete units XB4 B, heads ZB4 B)	Pushbuttons, spring return XB4 BA●, ZB4 BA●, (except ZB4 BA●8) XB4 BC●, ZB4 BC●, XB4 BL●, ZB4 BL●, XB4 BP●, ZB4 BP●, ZB4 BR● Triple-headed pushbuttons XB4 BA731327, XB4 BA711137, ZB4 BA7313●, ZB4 BA7111●, ZB4 BA72124, ZB4 BA791	Double-headed pushbuttons XB4 BL73415, ZB4 BA712●, ZB4 B●734●, ZB4 BA79	Illuminated pushbuttons, spring return XB4 BW●, ZB4 BW●, ZB4 BA●8 Double-headed pushbuttons + pilot light block XB4 BW73731●5, ZB4 BW7A17●●, ZB4 BW7●374●, ZB4 BW7A9	
Solution using single contacts				
Solution using single and double contacts				
Maximum recommended configurations – Single contacts	9	6	6	
Maximum recommended configurations – Double contacts + single contacts	3 + 3	2 + 2	2 + 2	
Maximum recommended configurations – Light block	–	–	1	

Single contact

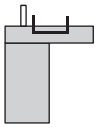
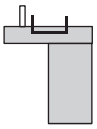
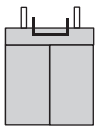
Double contact

Light block

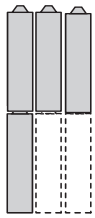
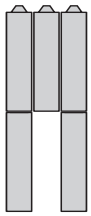
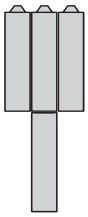
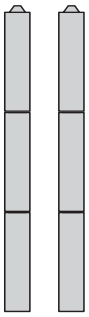
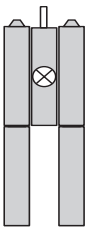
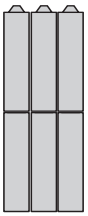
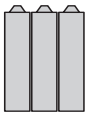
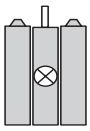
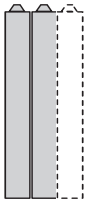
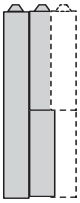
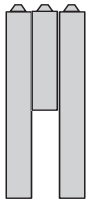
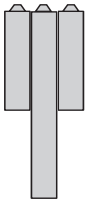
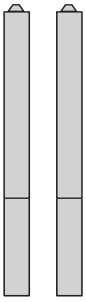
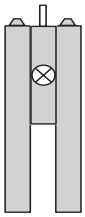
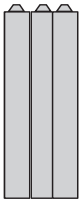
Possible location

Possible configurations for high power switching contacts *(1) (2)*

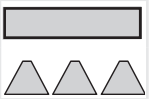
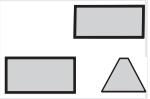
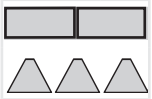
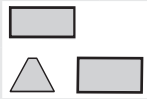
High power switching contact blocks with screw clamp terminal connections:
ZBE 501, ZBE 502, ZBE 503, ZBE 504 and ZBE 505
High power switching contact blocks with connection by Faston connectors
ZBE 5013, ZBE 5023, ZBE 5033, ZBE 5043 and ZBE 5053

		
1 N/O	1 N/C	1 N/O + N/C 1 N/O + N/O 1 N/C + N/C

(1) The configurations are not upgradable and cannot be combined with other types of contact and signalling functions.
(2) High power switching contacts are not compatible with Harmony triple-headed pushbuttons.

	Emergency stop or Emergency switching off XB4BT●, ZB4BT●, XB4BS●, ZB4BS●		Selector switches ■ Standard handle XB4 BD●, ZB4 BD●, ■ Long handle XB4 BJ●, ZB4 BJ●, ■ Knurled knob ZB4 BD●9, ■ Key switch XB4 BG●, ZB4 BG●			Illuminated selector switches, standard handle XB4 BK●, ZB4 BK●	Toggle switches ZB5 AD●8 Pushbuttons, push-turn to release, knurled operator ZB5 AF●, or lockable ZB5 FAD●	Pushbuttons, push-push ZB4 BH●	Illuminated pushbuttons, push-push ZB4 BH●3
									
								–	–
	4	4	5	4	6	4	6	3	2
	2 + 0	1 + 2	2 + 1	1 + 2	2 + 2	2 + 0	3 + 0	–	–
	–	–	–	–	–	1	–	–	1

Sequence of contacts fitted to selector switch bodies

Unit type			Selector switches											
			2-position						3-position					
			315°			45°			315°			0°			45°		
Push	Position	Top															
		Bottom															
	Location		L	C	R	L	C	R	L	C	R	L	C	R	L	C	R
	State		0	0	0	1	1	1	1	1	0	0	0	0	0	1	1
Contacts	N/O		□	□	□	■	■	■	■	■	□	□	□	□	□	■	■
	N/C		■	■	■	□	□	□	□	□	■	■	■	■	■	□	□

L left, C centre, R right

□ open, ■ closed

Control and signalling units Ø 22

Harmony® XB4, metal

Spring return pushbuttons, unmarked

Assembly of other products using:
body/contact assemblies: see page 44
accessories: see pages 56 and 58

814084

XB4 BA31

814141

ZB4 BA0

814142

ZB4 BA4

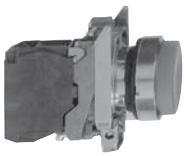
814143

ZB4 BA38

103541

ZB4 BA34

814087



XB4 BL42

109495

ZB4 BL1

Pushbuttons with flush push *(1)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Type of push	Type of contact N/O	Type of contact N/C	Colour of push	Reference	Weight kg
Complete units						
	Flush	1	–	White	**XB4 BA11** (ZB4 BZ101 + ZB4 BA1)	0.080
				Black	**XB4 BA21** (ZB4 BZ101 + ZB4 BA2)	0.080
				Green	**XB4 BA31** (ZB4 BZ101 + ZB4 BA3)	0.080
				Yellow	**XB4 BA51** (ZB4 BZ101 + ZB4 BA5)	0.080
				Blue	**XB4 BA61** (ZB4 BZ101 + ZB4 BA6)	0.080
		–	1	Red	**XB4 BA42** (ZB4 BZ102 + ZB4 BA4)	0.080
Heads only						
	Without cap *(2)*			–	**ZB4 BA0**	0.028
	Flush, with set of 6 coloured caps			6 colours *(3)*	**ZB4 BA9**	0.038
	Flush			White	**ZB4 BA1**	0.029
				Black	**ZB4 BA2**	0.029
				Green	**ZB4 BA3**	0.029
				Red	**ZB4 BA4**	0.029
				Yellow	**ZB4 BA5**	0.029
				Blue	**ZB4 BA6**	0.029
				Grey	**ZB4 BA8**	0.029
	Flush with transparent cap for insertion of legend *(4)*			White	**ZB4 BA18**	0.028
				Green	**ZB4 BA38**	0.028
				Red	**ZB4 BA48**	0.028
				Yellow	**ZB4 BA58**	0.028
				Blue	**ZB4 BA68**	0.028
	Flush (high bezel)			White	**ZB4 BA14**	0.034
				Black	**ZB4 BA24**	0.034
				Green	**ZB4 BA34**	0.034
				Red	**ZB4 BA44**	0.034
				Yellow	**ZB4 BA54**	0.034
				Blue	**ZB4 BA64**	0.034

Pushbuttons with projecting push *(1)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Type of push	Type of contact N/O	Type of contact N/C	Colour of push	Reference	Weight kg
Complete units						
	Projecting	–	1	Red	**XB4 BL42** (ZB4 BZ102 + ZB4 BL4)	0.081
Heads only						
	Projecting			White	**ZB4 BL1**	0.030
				Black	**ZB4 BL2**	0.030
				Green	**ZB4 BL3**	0.030
				Red	**ZB4 BL4**	0.030
				Yellow	**ZB4 BL5**	0.030
				Blue	**ZB4 BL6**	0.030

Heads with black metal bezel

To order, add a figure **7** to the references listed from above.
Example: **ZB4 BA0** becomes **ZB4 BA07**.

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 18.
(2) Coloured cap to be ordered separately: see page 56.
(3) Head supplied with 6 different coloured caps (white, black, green, red, yellow, blue) not fitted.
(4) For legend ordering information, see page 60.

General : page 6
Characteristics : page 14
Dimensions : page 68

Control and signalling units Ø 22

Harmony® XB4, metal

Spring return pushbuttons, unmarked

Assembly of other products using:
body/contact assemblies: see page 44
accessories: see pages 56 and 58

Pushbuttons with recessed push *(1)*

High guard

Shape of head	Type of push	Colour	Reference	Weight kg
Heads only				
	Recessed (high guard)	White	**ZB4 BA16**	0.034
		Black	**ZB4 BA26**	0.034
		Green	**ZB4 BA36**	0.034
		Red	**ZB4 BA46**	0.034
		Yellow	**ZB4 BA56**	0.034
		Blue	**ZB4 BA66**	0.034

814146

ZB4 BA36

Pushbuttons with silicone booted head for severe environments *(1)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Type of push	Type of contact N/O	Type of contact N/C	Colour of push	Reference	Weight kg
Complete units						
	Booted, clear silicone (colour of push unobscured)	1	–	Black	**XB4 BP21** (ZB4 BZ101 + ZB4 BP2)	0.082
				Green	**XB4 BP31** (ZB4 BZ101 + ZB4 BP3)	0.082
				Yellow	**XB4 BP51** (ZB4 BZ101 + ZB4 BP5)	0.082
				Blue	**XB4 BP61** (ZB4 BZ101 + ZB4 BP6)	0.082
		–	1	Red	**XB4 BP42** (ZB4 BZ102 + ZB4 BP4)	0.082
Silicone booted heads only, with increased protection (IP 69K)						
Flush	**Clear boot** *(2)* For insertion of protected legend within head *(3)*			White	**ZB4 BP18**	0.034
				Green	**ZB4 BP38**	0.034
				Red	**ZB4 BP48**	0.034
				Yellow	**ZB4 BP58**	0.034
				Blue	**ZB4 BP68**	0.034
Projecting	**Clear boot** *(2)*			White	**ZB4 BP1**	0.031
				Black	**ZB4 BP2**	0.031
				Green	**ZB4 BP3**	0.031
				Red	**ZB4 BP4**	0.031
				Yellow	**ZB4 BP5**	0.031
				Blue	**ZB4 BP6**	0.031
Silicone booted heads only, standard for mouting with legend holder (IP 66)						
Flush	**Coloured boot** *(4)*			White	**ZB4 BP1S**	0.034
				Black	**ZB4 BP2S**	0.034
				Green	**ZB4 BP3S**	0.034
				Red	**ZB4 BP4S**	0.034
				Yellow	**ZB4 BP5S**	0.034
				Blue	**ZB4 BP6S**	0.034
	Clear membrane *(4)* For insertion of protected legend within head *(3)*			White	**ZB4 BP183**	0.026
				Green	**ZB4 BP383**	0.026
				Red	**ZB4 BP483**	0.026
				Yellow	**ZB4 BP583**	0.026
				Blue	**ZB4 BP683**	0.026

110009

XB4 BP21

814144

ZB4 BP18

103542

ZB4 BP2S

109495

ZB4 BP183

Heads with black metal bezel

To order, add a figure **7** to the references selected from above.
Example: **ZB4 BP18** becomes **ZB4 BP187**.

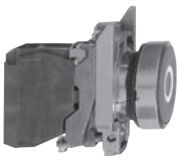
(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 18.
(2) Permissible panel thickness 1 to 5 mm, cannot be used with legend holders.
(3) To order a legend for insertion within the head, see page 58.
(4) Replacement of silicone protection element without dismantling head, see page 57.

Control and signalling units Ø 22

Harmony® XB4, metal

Spring return pushbuttons, with marking

Assembly of other products using:
body/contact assemblies: see page 44
accessories: see pages 56 and 58


814085

XB4 BA4322

814151

ZB4 BA331

537899

ZB4 BA334

814153

ZB4 BL432

Pushbuttons with flush or projecting push *(1)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Type of push	Type of contact N/O	Type of contact N/C	Marking Text (colour)	Colour of push	Reference	Weight kg
Complete units							
	Flush	1	–	"I" (white)	Green	**XB4 BA3311** (ZB4 BZ101 + ZB4 BA331)	0.080
	Flush	–	1	"O" (white)	Red	**XB4 BA4322** (ZB4 BZ102 + ZB4 BA432)	0.080
	Projecting	–	1	"O" (white)	Red	**XB4 BL4322** ▲ (ZB4 BZ102 + ZB4 BL432)	0.080
	Flush *(2)*	1	–	↑ (black)	White	**XB4 BA3341** (ZB4 BZ101 + ZB4 BA334)	0.080
	Flush *(2)*	1	–	↓ (white)	Black	**XB4 BA3351** (ZB4 BZ101 + ZB4 BA335)	0.080
Heads only							
	Flush			"I" (white)	Green	**ZB4 BA331**	0.029
				"I" (black)	White	**ZB4 BA131**	0.029
				"II" (white)	Green	**ZB4 BA336**	0.029
				"II" (black)	White	**ZB4 BA136**	0.029
				"START" (white)	Green	**ZB4 BA333**	0.029
				"START" (black)	White	**ZB4 BA133**	0.029
				"ON" (white)	Green	**ZB4 BA341**	0.029
				"ON" (black)	White	**ZB4 BA141**	0.029
				"MARCHE" (white)	Green	**ZB4 BA342**	0.029
				"MARCHE" (black)	White	**ZB4 BA142**	0.029
				(white)	Black	**ZB4 BA245**	0.029
				(black)	White	**ZB4 BA145**	0.029
				"O" (white)	Red	**ZB4 BA432**	0.029
					Black	**ZB4 BA232**	0.029
				"ARRET" (white)	Red	**ZB4 BA433**	0.029
					Black	**ZB4 BA233**	0.029
				"STOP" (white)	Red	**ZB4 BA434**	0.029
					Black	**ZB4 BA234**	0.029
				"OFF" (white)	Red	**ZB4 BA435**	0.029
					Black	**ZB4 BA235**	0.029
				↑ (black) *(2)*	White	**ZB4 BA334**	0.029
				↓ (white) *(2)*	Black	**ZB4 BA335**	0.029
	Projecting			"O" (white)	Red	**ZB4 BL432**	0.030
					Black	**ZB4 BL232**	0.030
				"ARRET" (white)	Red	**ZB4 BL433**	0.030
					Black	**ZB4 BL233**	0.030
				"STOP" (white)	Red	**ZB4 BL434**	0.030
					Black	**ZB4 BL234**	0.030
				"OFF" (white)	Red	**ZB4 BL435**	0.030
					Black	**ZB4 BL235**	0.030

Heads with black metal bezel

To order, add a figure **7** to the references selected from above.
Example: **ZB4 BA331** becomes **ZB4 BA3317**.

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 18.
(2) Product supplied with cap not clipped-in, allowing orientation through 360° in 90° steps.

▲ Available:
1st quarter 2009.

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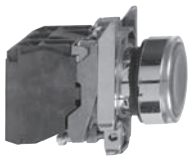
Control and signalling units Ø 22

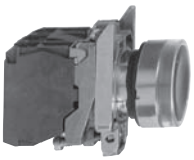
Harmony® XB4, metal

Illuminated pushbuttons, spring return, with integral LED

Assembly of other products using:
body/contact assemblies: see page 44
combined sub-assemblies: see page 50
accessories: see page 58



XB4 BW33B5



XB4 BW34G5

Illuminated pushbuttons with flush push *(1)*
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Description	Type of contact N/O	Type of contact N/C	Supply voltage V	Colour of push	Reference	Weight kg
Complete units - With plain lens							
	Integral LED	1	1	⎓ 24 50/60 Hz	White	**XB4 BW31B5** (ZB4 BW0B15 + ZB4 BW313)	0.097
					Green	**XB4 BW33B5** (ZB4 BW0B35 + ZB4 BW333)	0.097
					Red	**XB4 BW34B5** (ZB4 BW0B45 + ZB4 BW343)	0.097
					Orange	**XB4 BW35B5** (ZB4 BW0B55 + ZB4 BW353)	0.097
					Blue	**XB4 BW36B5** (ZB4 BW0B65 + ZB4 BW363)	0.097
				∿ 110...120 50/60 Hz	White	**XB4 BW31G5** (ZB4 BW0G15 + ZB4 BW313)	0.097
					Green	**XB4 BW33G5** (ZB4 BW0G35 + ZB4 BW333)	0.097
					Red	**XB4 BW34G5** (ZB4 BW0G45 + ZB4 BW343)	0.097
					Orange	**XB4 BW35G5** (ZB4 BW0G55 + ZB4 BW353)	0.097
					Blue	**XB4 BW36G5** (ZB4 BW0G65 + ZB4 BW363)	0.097
				∿ 230…240 50/60 Hz	White	**XB4 BW31M5** (ZB4 BW0M15 + ZB4 BW313)	0.097
					Green	**XB4 BW33M5** (ZB4 BW0M35 + ZB4 BW333)	0.097
					Red	**XB4 BW34M5** (ZB4 BW0M45 + ZB4 BW343)	0.097
					Orange	**XB4 BW35M5** (ZB4 BW0M55 + ZB4 BW353)	0.097
					Blue	**XB4 BW36M5** (ZB4 BW0M65 + ZB4 BW363)	0.097

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 18.

Control and signalling units Ø 22

Harmony® XB4, metal

Illuminated pushbuttons, spring return, with integral LED

Assembly of other products using:
combined sub-assemblies: see page 50
accessories: see page 18

ZB4 BW333

ZB4 BW563

ZB4 BW113

Illuminated pushbuttons with flush push *(1)*

Shape of head	Type of push	Colour	Reference	Weight kg
Heads only *(2)* **- With plain lens**				
Protected LED	**Flush**	White	**ZB4 BW313**	0.026
		Green	**ZB4 BW333**	0.026
		Red	**ZB4 BW343**	0.026
		Orange	**ZB4 BW353**	0.026
		Blue	**ZB4 BW363**	0.026
Protected LED	**Flush with illuminated ring**	White	**ZB4 BW913**	0.026
		Green	**ZB4 BW933**	0.026
		Red	**ZB4 BW943**	0.026
		Orange	**ZB4 BW953**	0.026
		Blue	**ZB4 BW963**	0.026
Protected LED	**Flush with clear boot**	White	**ZB4 BW513**	0.031
		Green	**ZB4 BW533**	0.031
		Red	**ZB4 BW543**	0.031
		Orange	**ZB4 BW553**	0.031
		Blue	**ZB4 BW563**	0.031
Protected LED	**Flush for insertion of legend** *(3)*	White	**ZB4 BA18**	0.028
		Green	**ZB4 BA38**	0.028
		Red	**ZB4 BA48**	0.028
		Orange	**ZB4 BA58**	0.028
		Blue	**ZB4 BA68**	0.028
Heads only *(2)* **- With grooved lens** *(4)*				
Protected LED	**Flush**	White	**ZB4 BW313S**	0.026
		Green	**ZB4 BW333S**	0.026
		Red	**ZB4 BW343S**	0.026
		Orange	**ZB4 BW353S**	0.026
		Blue	**ZB4 BW363S**	0.026

Illuminated pushbuttons with projecting push *(1)*

Shape of head	Type of push	Colour	Reference	Weight kg
Heads only *(2)* **- With plain lens**				
Protected LED	**Projecting**	White	**ZB4 BW113**	0.029
		Green	**ZB4 BW133**	0.029
		Red	**ZB4 BW143**	0.029
		Orange	**ZB4 BW153**	0.029
		Blue	**ZB4 BW163**	0.029
Heads only *(2)* **- With grooved lens** *(4)*				
Protected LED	**Projecting**	White	**ZB4 BW113S**	0.026
		Green	**ZB4 BW133S**	0.026
		Red	**ZB4 BW143S**	0.026
		Orange	**ZB4 BW153S**	0.026
		Blue	**ZB4 BW163S**	0.026

Heads with black metal bezel

To order, add a figure **7** to the references selected from above.
Example: **ZB4 BW313** becomes **ZB4 BW3137**.
Example 2: **ZB4 BW313S** becomes **ZB4 BW313S7**.

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 18.
(2) Only for use with bodies comprising a light source with integral LED.
(3) For legend ordering information, see page 58.
(4) For use in bright ambient light conditions (outdoors in sunlight, for example).

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Control and signalling units Ø 22

Harmony® XB4, metal

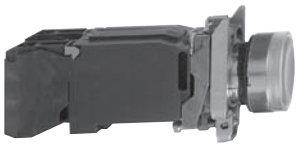
Illuminated pushbuttons, spring return, with BA 9s base fitting

Assembly of other products using:
combined sub-assemblies: see page 50
accessories: see page 18

Illuminated pushbuttons with flush push *(1)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Description	Type of contact N/O	Type of contact N/C	Supply voltage V	Colour of push	Reference	Weight kg
Complete units - With plain lens							
	Direct supply for bulb with BA 9s base fitting, 2.4 W max **(bulb not included)**	1	1	≤ 250	White	**XB4 BW3165** (ZB4 BW065 + ZB4 BW31)	0.097
					Green	**XB4 BW3365** (ZB4 BW065 + ZB4 BW33)	0.097
					Red	**XB4 BW3465** (ZB4 BW065 + ZB4 BW34)	0.097
					Orange	**XB4 BW3565** (ZB4 BW065 + ZB4 BW35)	0.097
	Via integral transformer 1.2 VA, 6 V secondary, incandescent bulb with BA 9s base fitting **(bulb included)**	1	1	∼110…120 50/60 Hz	White	**XB4 BW3135** (ZB4 BW035 + ZB4 BW31)	0.169
					Green	**XB4 BW3335** (ZB4 BW035 + ZB4 BW33)	0.169
					Red	**XB4 BW3435** (ZB4 BW035 + ZB4 BW34)	0.169
					Orange	**XB4 BW3535** (ZB4 BW035 + ZB4 BW35)	0.169
				∼ 230 50 Hz ∼220…240 60 Hz	White	**XB4 BW3145** (ZB4 BW045 + ZB4 BW31)	0.170
					Green	**XB4 BW3345** (ZB4 BW045 + ZB4 BW33)	0.170
					Red	**XB4 BW34M5** (ZB4 BW045 + ZB4 BW34)	0.170
					Orange	**XB4 BW3545** (ZB4 BW045 + ZB4 BW35)	0.170
Heads only *(2)* **- With plain lens**							
	Flush				White	**ZB4 BW31**	0.027
					Green	**ZB4 BW33**	0.027
					Red	**ZB4 BW34**	0.027
					Orange	**ZB4 BW35**	0.027
					Blue	**ZB4 BW36**	0.027
					Clear	**ZB4 BW37**	0.027
Heads only *(2)* **- With grooved lens** *(3)*							
	Flush				White	**ZB4 BW31S**	0.027
					Green	**ZB4 BW33S**	0.027
					Red	**ZB4 BW34S**	0.027
					Orange	**ZB4 BW35S**	0.027
					Blue	**ZB4 BW36S**	0.027
					Clear	**ZB4 BW37S**	0.027



XB4 BW3545

ZB4 BW33

Illuminated pushbuttons with projecting push *(1)*

Heads only *(2)* **- With plain lens**							
	Projecting				White	**ZB4 BW11**	0.028
					Green	**ZB4 BW13**	0.028
					Red	**ZB4 BW14**	0.028
					Orange	**ZB4 BW15**	0.028
					Blue	**ZB4 BW16**	0.028
					Clear	**ZB4 BW17**	0.028
Heads only *(2)* **- With grooved lens** *(3)*							
	Projecting				White	**ZB4 BW11S**	0.027
					Green	**ZB4 BW13S**	0.027
					Red	**ZB4 BW14S**	0.027
					Orange	**ZB4 BW15S**	0.027
					Blue	**ZB4 BW16S**	0.027
					Clear	**ZB4 BW17S**	0.027

ZB4 BW14

Heads with black metal bezel

To order, add a figure **7** to the references selected from above.
Example: **ZB4 BW31** becomes **ZB4 BW317**. Example 2: **ZB4 BW31S** becomes **ZB4 BW31S7**.

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 18
(2) Only for use with bodies comprising a light source with BA9s base fitting bulb (incandescent, neon or LED).
(3) For use in bright ambient light conditions (outdoors in sunlight, for example).

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Dimensions : page 68

Control and signalling units Ø 22

Harmony® XB4 metal

Multiple-headed pushbuttons, spring return

User assembly of other units, using:
body-contact assemblies: see page 44
combined sub-assemblies: see page 50

569134
XB4 BL73415

569136
ZB4 BA7121

569138
ZB4 BL7341

569140
XB4 BW73731●5

569142
ZB4 BW7A1721

569150
ZB4 BW7A3741

Double-headed pushbuttons *(1)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Description	Type of contact N/O	Type of contact N/C	Colour and marking of caps *(2)*	Reference	Weight kg
Complete units						
	2 pushes (1 flush black + 1 projecting red)	1	1	White "I" on green background White "0" on red background	**XB4 BL73415** n	0.116
Heads only						
	2 flush black pushes			White background + black background, unmarked	**ZB4 BA7120** n	0.056
				Black "I" on white background White "0" on black background	**ZB4 BA7121** n	0.056
				Green background + red background, unmarked	**ZB4 BA7340** n	0.056
				White "I" on green background White "0" on red background	**ZB4 BA7341** n	0.056
				Without cap *(3)*	**ZB4 BA79** n	0.056
	1 flush black push 1 projecting red push			Green background + red background, unmarked	**ZB4 BL7340** n	0.056
				White "I" on green background White "0" on red background	**ZB4 BL7341** n	0.056

Double-headed pushbuttons + 1 white central pilot light block *(1)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Description	Type of contact N/O	Type of contact N/C	Colour and marking of caps *(2)*	Pilot light voltage V	Reference	Weight kg
Complete units							
Protected LED	**1 flush black push 1 projecting red push 1 white central pilot light block**	1	1	White "I" on green background White "0" on red background	24	**XB4 BW73731B5** n	0.130
					120	**XB4 BW73731G5** n	0.130
					240	**XB4 BW73731M5** n	0.130
Heads only *(5)*							
Protected LED	**2 flush black pushes 1 clear central pilot light** *(4)*			White background + black background, unmarked		**ZB4 BW7A1720** n	0.056
				Black "I" on white background White "0" on black background		**ZB4 BW7A1721** n	0.056
				Green background + red background, unmarked		**ZB4 BW7A3740** n	0.056
				White "I" on green background White "0" on red background		**ZB4 BW7A3741** n	0.056
				Black "⬆" on white background White "⬇" on black background		**ZB4 BW7A1724** n	0.056
				Black "+" on white background Black "–" on white background		**ZB4 BW7A1715** n	0.056
				Without cap *(3)*		**ZB4 BW7A9** n	0.056
Protected LED	**1 flush black push 1 projecting red push 1 clear central pilot light** *(4)*			Green background + red background, unmarked		**ZB4 BW7L3740** n	0.056
				White "I" on green background White "0" on red background		**ZB4 BW7L3741** n	0.056

Heads with black metal bezel

To order. add the suffix **7** to the references selected above. Example: **ZB4 BA7120** becomes **ZB4 BA71207**.

(1) *Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 18.*
(2) These caps are fitted by Schneider Electric and cannot be removed (risk of damage).
(3) Caps to be ordered separately: see page opposite.
(4) Colour of centrally positioned pilot light determined by the colour of the LED incorporated in the body sub-assembly.
(5) Only for use with bodies comprising a light source with integral LED.

n New

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Schneider Electric

Control and signalling units Ø 22

Harmony® XB4 metal

Multiple-headed pushbuttons, spring return

User assembly of other units, using:
body-contact assemblies: see page 44
combined sub-assemblies: see page 50

Triple-headed pushbuttons *(1) (2)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Description	Type of contact N/O	Type of contact N/C	Type of contact N/O	Colour and marking of caps *(3)*	Reference	Weight kg
Complete units							
	2 flush black pushes + 1 central projecting red push marked "Stop" in white	1	1	1	White "I" on green background White "II" on green background	**XB4 BA731327** n	0.128
					Black "➡" on white background White "⇦" on black background	**XB4 BA711237** n	0.128
Heads only							
	2 flush black pushes + 1 central projecting red push marked "Stop" in white				White "I" on green background White "II" on green background	**ZB4 BA73132** n	0.056
					White "⇦" on green background White "⇨" on green background	**ZB4 BA73133** n	0.056
					White "⇧" on green background White "⇩" on green background	**ZB4 BA73134** n	0.056
					White "+" on green background White "–" on green background	**ZB4 BA73135** n	0.056
					Black "+" on white background Black "–" on white background	**ZB4 BA71115** n	0.056
					Black "➡" on white background White "⇦" on black background	**ZB4 BA71123** n	0.056
					Black "⬆" on white background White "⇩" on black background	**ZB4 BA71124** n	0.056
					White "⇧" on black background White "⇩" on black background	**ZB4 BA72124** n	0.056
					Without cap *(4)*	**ZB4 BA791** n	0.056

XB4 BA731327

ZB4 BA73133

ZB4 BA71124

Specific accessories for multiple-headed pushbuttons

Description	Background colour	Marking	Sold in lots of	Reference	Weight kg
Caps only for clip-on mounting on double or triple-headed pushbuttons *(5)*	White	Unmarked	10	**ZBA 71** n	0.010
		"I" black	10	**ZBA 7131** n	0.010
		"➡" black	10	**ZBA 7134** n	0.010
		"+" black	10	**ZBA 7138** n	0.010
	Black	Unmarked	10	**ZBA 72** n	0.010
		"O" white	10	**ZBA 7232** n	0.010
		"+" white	10	**ZBA 7233** n	0.010
		"⇨" white	10	**ZBA 7235** n	0.010
		"I" white	10	**ZBA 7237** n	0.010
	Green	Unmarked	10	**ZBA 73** n	0.010
		"I" white	10	**ZBA 7331** n	0.010
		"+" white	10	**ZBA 7333** n	0.010
		"⇧" white	10	**ZBA 7335** n	0.010
		"II" white	10	**ZBA 7336** n	0.010
	Red	Unmarked	10	**ZBA 74** n	0.010
		"O" white	10	**ZBA 7432** n	0.010
	Yellow	Unmarked	10	**ZBA 75** n	0.010
	Blue	Unmarked	10	**ZBA 76** n	0.010
Clear silicone boots *(6)*	For 2 flush pushes	–	10	**ZBA 708** n	0.055
	For 3 pushes	–	10	**ZBA 709** n	0.055
	For 1 flush push + 1 projecting push	–	10	**ZBA 710** n	0.055

ZBA 7235

ZBA 7331

ZBA 7432

ZBA 709

Heads with black metal bezel

To order, add the suffix **7** to the references selected above.
Example: **ZB4 BA73132** becomes **ZB4 BA731327**.

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 18.
(2) Not compatible with high power switching contacts and contacts for printed circuit board.
(3) These caps are fitted by Schneider Electric and cannot be removed (risk of damage).
(4) Caps to be ordered separately: see accessories on this page.
(5) Can be clipped-in at 90° steps, through 360°.
(6) Can be replaced without dismantling the head.

n New

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Control and signalling units Ø 22

Harmony® XB4, metal

Mushroom head pushbuttons, spring return

Assembly of other products using:
body/contact assemblies: see page 44
accessories: see page 58

Mushroom head pushbuttons *(1) (2)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Type of push	Type of contact N/O	Type of contact N/C	Push Ø (mm)	Colour	Reference	Weight kg
Complete units							
	Mushroom head	1	–	40	Black	**XB4 BC21** (ZB4 BZ101 + ZB4 BC2)	0.122
Heads only							
	Mushroom head			30	Black	**ZB4 BC24**	0.075
					Green	**ZB4 BC34**	0.075
					Red	**ZB4 BC44**	0.075
					Yellow	**ZB4 BC54**	0.075
					Blue	**ZB4 BC64**	0.075
				40	Black	**ZB4 BC2**	0.074
					Green	**ZB4 BC3**	0.074
					Red	**ZB4 BC4**	0.074
					Yellow	**ZB4 BC5**	0.074
					Blue	**ZB4 BC6**	0.074
				60	Black	**ZB4 BR2**	0.093
					Green	**ZB4 BR3**	0.093
					Red	**ZB4 BR4**	0.093
					Yellow	**ZB4 BR5**	0.093
					Blue	**ZB4 BR6**	0.093
				60 *(3)* Hemispherical	Black	**ZB4 BR216**	0.054
					Green	**ZB4 BR316**	0.054
					Red	**ZB4 BR416**	0.054
					Yellow	**ZB4 BR516**	0.054
					Blue	**ZB4 BR616**	0.054

814088

XB4 BC21

814166

ZB4 BC24

814167

ZB4 BC2

814168

ZB4 BR2

103543

ZB4 BR216

Illuminated mushroom head pushbuttons *(1) (2)*

Integral LED

Shape of head	Type of push	Push Ø (mm)	Colour	Reference	Weight kg
Heads only *(4)*					
	Mushroom head	40	White	**ZB4 BW413**	0.051
			Green	**ZB4 BW433**	0.051
			Red	**ZB4 BW443**	0.051
			Orange	**ZB4 BW453**	0.051
			Blue	**ZB4 BW463**	0.051

Protected LED

ZB4 BW443

Heads with black metal bezel

To order, add a figure **7** to the references selected above.
Example: **ZB4 BC24** becomes **ZB4 BC247**.

(1) These pushbuttons and heads cannot be used for an Emergency Stop function.
Therefore, it is recommended that a legend with a black or white background is used.
(2) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 18.
(3) Ergonomic product used in two-handed control applications. Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head: 6.
(4) Only for use with bodies comprising a light block with integral LED.

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Control and signalling units Ø 22

Harmony® XB4, metal

Mushroom head pushbuttons, latching

Assembly of other products using:
body/contact assemblies: see page 44
accessories: see page 58

110130

ZB4 BT2

523765

ZB4 BS62

523766

ZB4 BS72

Mushroom head pushbuttons *(1) (2)*

Shape of head	Type of reset	Push Ø (mm)	Push Colour	Reference	Weight kg
Heads only					
	Push-pull	40	Black	**ZB4 BT2**	0.077
		60	Black	**ZB4 BX2**	0.095
	Turn to release	30	Black	**ZB4 BS42**	0.066
		40	Black	**ZB4 BS52**	0.070
		40	Yellow	**ZB4 BS55**	0.070
		60	Black	**ZB4 BS62**	0.090
	Key release (key n° 455) *(2 keys included with head) (3)* *(5)*	30	Black	**ZB4 BS72**	0.066
		40	Black	**ZB4 BS12** *(4)*	0.070
		60	Black	**ZB4 BS22**	0.090

Illuminated mushroom head pushbuttons *(1) (2)*

Integral LED

Shape of head	Type of reset	Push Ø (mm)	Push Colour	Reference	Weight kg
Heads only					
Protected LED	**Mushroom head**	40	White	**ZB4 BW613**	0.051
			Green	**ZB4 BW633**	0.051
			Orange	**ZB4 BW653**	0.051
			Blue	**ZB4 BW663**	0.051

Heads with black metal bezel

To order, add a figure **7** to the references selected above.
Example: **ZB4 BT2** becomes **ZB4 BT27**.

(1) These pushbuttons and heads cannot be used for an Emergency Stop function.
Therefore, it is recommended that a legend with a black or white background is used.
(2) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 18.
(3) For specific keys with other numbers, please consult your Regional Sales Office.
(4) Other key numbers:
*- key n° 421E: add suffix **12** to the reference.*
*- key n° 458A: add suffix **10** to the reference.*
*- key n° 520E: add suffix **14** to the reference.*
*- key n° 3131A: add suffix **20** to the reference.*
*Example: To order a Ø 40 black mushroom head for a latching pushbutton, with release by key n° 421E, the reference becomes: **ZB4 BS1212**.*
(5) The symbol indicates key withdrawal position(s).

Control and signalling units Ø 22

Harmony® XB4, metal

Emergency stop devices
Conforming to EN/IEC 60204-1 and
EN/ISO 13850:2006 and Machinery Directive 98/37/EC

Assembly of other products using:
body/contact assemblies: see page 44
accessories: see pages 63 and 64

Mushroom head Emergency stop trigger action and mechanical latching pushbuttons conform to standards EN/IEC 60204-1 and EN/ISO 13850:2006, to Machinery Directive 98/37/EC and to standard EN/IEC 60947-5-5. Please consult your Regional Sales Office for a full explanation of these standards and directives.

Emergency stop trigger action and mechanical latching pushbuttons *(1) (2)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

550275

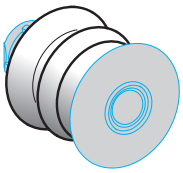
XB4 BT845

550276

XB4 BS9445

550278

ZB4 BS834



ZBZ ●8

Shape of head	Type of reset	Type of contact N/O	Type of contact N/C	Push Ø (mm)	Push Colour	Reference	Weight kg
Complete units							
	Push-pull	1	1	40	Red	**XB4 BT845** (ZB4 BZ105 + ZB4 BT84)	0.136
	Turn to release	1	1	40	Red	**XB4 BS8445** (ZB4 BZ105 + ZB4 BS844)	0.130
		–	2	40	Red	**XB4 BS8444** (ZB4 BZ104 + ZB4 BS844)	0.130
		1	2	40	Red	**XB4 BS84441** (ZB4 BZ141 + ZB4 BS844)	0.140
	Key release (key n° 455) *(3)*	1	1	40	Red	**XB4 BS9445** (ZB4 BZ105 + ZB4 BS944)	0.170

Heads only

Shape of head	Type of reset	Push Ø mm	Push Colour	Reference	Weight kg
	Push-pull	30	Red	**ZB4 BT844** ▲	0.078
		40	Red	**ZB4 BT84**	0.078
		60	Red	**ZB4 BX84**	0.098
	Turn to release	30	Red	**ZB4 BS834**	0.068
		40	Red	**ZB4 BS844**	0.073
		60	Red	**ZB4 BS864**	0.093
	Key release (key n° 455) 2 keys included with head *(5)* *(3)*	30	Red	**ZB4 BS934**	0.094
		40	Red	**ZB4 BS944** *(4)*	0.098
		60	Red	**ZB4 BS964**	0.118

Bellows for harsh environments (IP 69K)

For use in	Material	Colour	Sold in lots of	Unit reference	Weight kg
Environments subject to humidity, dust, high pressure cleaning, etc.	Silicone	Red	2	**ZBZ 48**	0.009
	EPDM	Black	2	**ZBZ 28**	0.009
		Yellow	2	**ZBZ 58**	0.009

Heads with black metal bezel

To order, add a figure **7** to the references selected above.
Example: **ZB4 BT844** becomes **ZB4 BT8447**.

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 18
(2) It is recommended that a legend or yellow background is used.
(3) The symbol indicates key withdrawal position(s).
(4) Other key numbers:
*- key n° 421E: add suffix **12** to the reference.*
*- key n° 458A: add suffix **10** to the reference.*
*- key n° 520E: add suffix **14** to the reference.*
*- key n° 3131A: add suffix **20** to the reference.*
*- key n° 4A185: add suffix **D** to the reference.*
*Example: To order a Ø 40 red mushroom head for a trigger action and mechanical latching Emergency stop pushbutton, with release by key n° 421E, the reference becomes: **ZB4 BS94412**.*
(5) For specific keys with other numbers, please consult your Regional Sales Office.

▲ Available:
1st quarter 2009.

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Control and signalling units Ø 22

Harmony® XB4, metal

Emergency switching off devices
Conforming to IEC 60364-5-53

Assembly of other products using:
body/contact assemblies: see page 44
combined sub-assemblies: see page 50
accessories: see pages 58 and 64

Mushroom head switching off mechanical latching pushbuttons conform to standards IEC 60364-5-53 and EN/IEC 60947-5-5. Please consult your Regional Sales Office for a full explanation of these standards and directives.

550277
XB4 BS542

550279
ZB4 BT4

550280
ZB4 BS64

550281
ZB4 BS74

Emergency switching off, mechanical latching pushbuttons *(1) (2)*
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Type of reset	Type of contact N/O	Type of contact N/C	Push Ø mm	Push Colour	Reference	Weight kg
Complete units							
	Push-pull	–	1	40	Red	**XB4 BT42** (ZB4 BZ102 + ZB4 BT4)	0.125
	Turn to release	–	1	40	Red	**XB4 BS542** (ZB4 BZ102 + ZB4 BS54)	0.118
	Key release (key n° 455) *(3)*	–	1	40	Red	**XB4 BS142** (ZB4 BZ102 + ZB4 BS14)	0.133
Heads only							
	Push-pull			30	Red	**ZB4 BT44** ▲	0.077
				40	Red	**ZB4 BT4**	0.077
				60	Red	**ZB4 BX4**	0.095
	Turn to release			30	Red	**ZB4 BS44**	0.066
				40	Red	**ZB4 BS54**	0.070
				60	Red	**ZB4 BS64**	0.090
	Key release (key n° 455) 2 keys included with head *(5)* *(3)*			30	Red	**ZB4 BS74**	0.066
				40	Red	**ZB4 BS14** *(4)*	0.070
				60	Red	**ZB4 BS24**	0.090

Illuminated Emergency switching off, mechanical latching pushbuttons *(1)*
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Type of reset	Push Ø mm	Push Colour	Reference	Weight kg
Heads only *(6)*					
Protected LED	**Push-pull**	40	Red	**ZB4 BW643**	0.051

Heads with black metal bezel

To order, add a figure **7** to the references selected above.
Example: **ZB4 BT4** becomes **ZB4 BT47**.

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 18.
(2) It is recommended that a legend or yellow background is used.
(3) The symbol ⚷ indicates key withdrawal position(s).
(4) Other key numbers:
*- key n° 421E: add suffix **12** to the reference.*
*- key n° 458A: add suffix **10** to the reference.*
*- key n° 520E: add suffix **14** to the reference.*
*- key n° 3131A: add suffix **20** to the reference.*
*Example: To order a Ø 40 red mushroom head for a mechanical latching Emergency switching off pushbutton, with release by key n° 421E, the reference becomes: **ZB4 BS1412**.*
(5) For specific keys with other numbers, please consult your Regional Sales Office.
(6) Only for use with bodies comprising a light source with integral LED.

▲ Available:
1st quarter 2009.

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Control and signalling units Ø 22

Harmony® XB4, metal

Pushbuttons, push-push

Assembly of other products using:
body/contact assemblies: see page 44
accessories: see page 58

Pushbuttons with flush push *(1)*

Shape of head	Type of push	Colour of push	Reference	Weight kg
Heads only				
	Without cap *(2)*	–	**ZB4 BH0**	0.028
	Flush	White	**ZB4 BH01**	0.029
		Black	**ZB4 BH02**	0.029
		Green	**ZB4 BH03**	0.029
		Red	**ZB4 BH04**	0.029
		Yellow	**ZB4 BH05**	0.029
		Blue	**ZB4 BH06**	0.029

814154

ZB4 BH02

Pushbuttons with projecting push *(1)*

Shape of head	Type of push	Colour of push	Reference	Weight kg
Heads only				
	Projecting	White	**ZB4 BH1**	0.029
		Black	**ZB4 BH2**	0.029
		Green	**ZB4 BH3**	0.029
		Red	**ZB4 BH4**	0.029
		Yellow	**ZB4 BH5**	0.029
		Blue	**ZB4 BH6**	0.029

523792

ZB4 BH6

Heads with black metal bezel

To order, add a figure **7** to the references selected above.
Example: **ZB4 BH01** becomes **ZB4 BH017**.

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 18.

(2) Caps to be ordered separately, see page 56

Control and signalling units Ø 22

Harmony® XB4, metal

Illuminated pushbuttons, push-push, with integral LED

Assembly of other products using:
combined sub-assemblies: see page 48
accessories: see page 58

ZB4 BH033

Illuminated pushbuttons with flush push *(1)*

Shape of head	Type of push	Colour of lens	Reference	Weight kg
Heads only *(2)*				
Protected LED	**Flush**	White	**ZB4 BH013**	0.026
		Green	**ZB4 BH033**	0.026
		Red	**ZB4 BH043**	0.026
		Orange	**ZB4 BH053**	0.026
		Blue	**ZB4 BH063**	0.026

ZB4 BH63

Illuminated pushbuttons with projecting push *(1)*

Shape of head	Type of push	Colour of lens	Reference	Weight kg
Heads only *(2)*				
Protected LED	**Projecting**	White	**ZB4 BH13**	0.026
		Green	**ZB4 BH33**	0.026
		Red	**ZB4 BH43**	0.026
		Orange	**ZB4 BH53**	0.026
		Blue	**ZB4 BH63**	0.026

Heads with black metal bezel

To order, add a figure **7** to the references selected above.
Example: **ZB4 BH013** becomes **ZB4 BH0137**.

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 18.
(2) Only for use with bodies comprising a light source with integral LED.

Control and signalling units Ø 22

Harmony® XB4, metal

Selector switches with standard handle

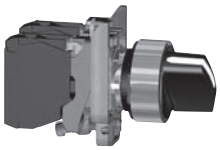
Assembly of other products using:
body/contact assemblies: see page 44
accessories: see page 58

Selector switches with standard handle *(1)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Type of operator	Type of contact N/O	Type of contact N/C	Positions Number	Positions Type		Reference	Weight kg
Complete units								
	Standard handle, black	1	–	2-position 90°	Stay put		**XB4 BD21** (ZB4 BZ101 + ZB4 BD2)	0.095
		1	–		Spring return from right to left		**XB4 BD41** (ZB4 BZ101 + ZB4 BD4)	0.100
		1	1		Stay put		**XB4 BD25** (ZB4 BZ105 + ZB4 BD2)	0.095
		2	–	3-position ± 45°	Stay put		**XB4 BD33** (ZB4 BZ103 + ZB4 BD3)	0.095
					Spring return to centre		**XB4 BD53** (ZB4 BZ103 + ZB4 BD5)	0.095
Heads only								
	Standard handle, black			2-position 90°	Stay put		**ZB4 BD2**	0.040
					Spring return from right to left		**ZB4 BD4**	0.045
				3-position ± 45°	Stay put		**ZB4 BD3**	0.040
					Spring return to centre		**ZB4 BD5**	0.040
					Spring return from left to centre		**ZB4 BD7**	0.040
					Spring return from right to centre		**ZB4 BD8**	0.040

106188



XB4 BD33

106195

ZB4 BD4

Heads only with other coloured handles

Standard handle, white	add suffix **01** to the reference, example: **ZB4 BD201**
Standard handle, green	add suffix **03** to the reference, example: **ZB4 BD203**
Standard handle, red	add suffix **04** to the reference, example: **ZB4 BD204**
Standard handle, yellow	add suffix **05** to the reference, example: **ZB4 BD205**
Standard handle, blue	add suffix **06** to the reference, example: **ZB4 BD206**

Heads with black metal bezel

For heads with standard black handle only. To order, add the suffix 7 to the references selected from above.
Example: **ZB4 BD2** becomes **ZB4 BD27**.

(1) Recommended maximum number of contacts and sequence of contacts constituting the body (fixing collar + contact) associated with the head, see page 18.

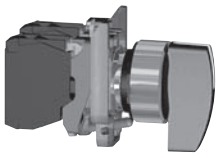
Control and signalling units Ø 22

Harmony® XB4, metal

Selector switches with long handle: normal and padlockable

Assembly of other products using:
body/contact assemblies: see page 44
accessories: see page 58

106190



ZB4 BJ21

106196

ZB4 BJ3

106197

ZB4 BJ291

Selector switches with long handle *(1)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Type of operator	Type of contact N/O	Type of contact N/C	Positions Number	Positions Type	Reference	Weight kg
Complete units							
	Long handle, black	1	–	2-position 90°	Stay put	**XB4 BJ21** (ZB4 BZ101 + ZB4 BJ2)	0.096
		2	–	3-position ± 45°	Stay put	**XB4 BJ33** (ZB4 BZ103 + ZB4 BJ3)	0.096
					Spring return to centre	**XB4 BJ53** (ZB4 BZ103 + ZB4 BJ5)	0.096
Heads only							
	Long handle, black			2-position 90°	Stay put	**ZB4 BJ2**	0.040
					Spring return from right to left	**ZB4 BJ4**	0.045
				3-position ± 45°	Stay put	**ZB4 BJ3**	0.040
					Spring return to centre	**ZB4 BJ5**	0.040
					Spring return from left to centre	**ZB4 BJ7**	0.040
					Spring return from right to centre	**ZB4 BJ8**	0.040
	Long handle, padlockable *(2)*			2-position 90°	Stay put	**ZB4 BJ291**	0.048
						ZB4 BJ292	0.048
						ZB4 BJ294	0.048
					Spring return from right to left	**ZB4 BJ491**	0.054
				3-position ± 45°	Stay put	**ZB4 BJ391**	0.048
						ZB4 BJ392	0.048
						ZB4 BJ393	0.048
						ZB4 BJ394	0.048
						ZB4 BJ395	0.048
						ZB4 BJ396	0.048
						ZB4 BJ397	0.048
					Spring return to centre	**ZB4 BJ593**	0.048
					Spring return from right to centre	**ZB4 BJ891**	0.048
						ZB4 BJ893	0.048
						ZB4 BJ895	0.048
					Spring return from left to centre	**ZB4 BJ792**	0.048
						ZB4 BJ793	0.048
						ZB4 BJ796	0.048

Heads with black metal bezel

To order, add a figure **7** to the references selected from above.
Example: **ZB4 BJ2** becomes **ZB4 BJ27**.

(1) Recommended maximum number of contacts and sequence of contacts constituting the body (fixing collar + contact) associated with the head, see page 18.
(2) The symbol ○ indicates the padlocking positions.

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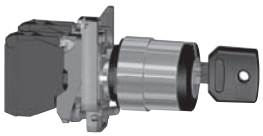
Control and signalling units Ø 22

Harmony® XB4, metal

Key switches
Key n° 455, 421E, 458A, 520E, 3131A

Assembly of other products using:
body/contact assemblies: see page 44
accessories: see page 58

106189



XB4 BG33

106199

ZB4 BG0

Key switches *(1) (2)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Type of operator	Type of contact N/O	Type of contact N/C	Positions Number	Positions Type		Reference	Weight kg
Complete units								
	Key switch with key n° 455	1	–	2-positio 90°	Stay put		**XB4 BG21** (ZB4 BZ101 + ZB4 BG2)	0.153
							XB4 BG41 (ZB4 BZ101 + ZB4 BG4)	0.153
					Spring return to left		**XB4 BG61** (ZB4 BZ101 + ZB4 BG6)	0.153
		2	–	3-position ± 45°	Stay put		**XB4 BG03** (ZB4 BZ103 + ZB4 BG0)	0.153
							XB4 BG33 (ZB4 BZ103 + ZB4 BG3)	0.153
Heads only								
	Key switch with key n° 455 *(3) (4)*			2-position 90°	Stay put		**ZB4 BG2**	0.098
							ZB4 BG02	0.098
							ZB4 BG4	0.098
					Spring return from right to left		**ZB4 BG6**	0.098
				3-position ± 45°	Stay put		**ZB4 BG0**	0.098
							ZB4 BG03	0.098
							ZB4 BG04	0.098
							ZB4 BG3	0.098
							ZB4 BG5	0.098
							ZB4 BG9	0.098
							ZB4 BG09	0.098
					Spring return from left to centre		**ZB4 BG1**	0.098
							ZB4 BG01	0.098
					Spring return to centre		**ZB4 BG7**	0.098
					Spring return from right to centre		**ZB4 BG8**	0.098
							ZB4 BG05	0.098
							ZB4 BG08	0.098

Heads with black metal bezel

To order, add a figure **7** to the references selected from above. Example: **ZB4 BG2** becomes **ZB4 BG27**.

(1) Recommended maximum number of contacts and sequence of contacts constituting the body (fixing collar + contact) associated with the head, see page 18.
(2) The symbol ⚷ indicates key withdrawal position(s).
(3) Other key numbers:
*- key n° 421E: add suffix **12** to the reference.*
*- key n° 458A: add suffix **10** to the reference.*
*- key n° 520E: add suffix **14** to the reference.*
*- key n° 3131A: add suffix **20** to the reference.*
*Example: For a switch head with key n° 421E, 2-position stay put, with key withdrawal from the left-hand position, the reference becomes: **ZB4 BG212**.*
(4) For specific keys with other numbers, please consult your Regional Sales Office.

Control and signalling units Ø 22

Harmony® XB4, metal

Key switches with key TEC10

Selector switches with knurled knob - Toggle switches

Assembly of other products using:
body/contact assemblies: see page 44
accessories: see page 58

Key switches with key TEC10

Shape of head	Type of operator	Positions Number	Positions Type		Reference	Weight kg
Heads only						
	Key switch with key TEC10	2-position 90°	Stay put		**ZB4 BG2TEC10**	0.160
					ZB4 BG4TEC10	0.160
			Spring return from right to left		**ZB4 BG6TEC10**	0.170
		3-position ± 45°	Stay put		**ZB4 BG0TEC10**	0.160
					ZB4 BG3TEC10	0.160
					ZB4 BG5TEC10	0.160
					ZB4 BG9TEC10	0.160
			Spring return to centre		**ZB4 BG7TEC10**	0.170
			Spring return from right to centre		**ZB4 BG05TEC10**	0.170

Selector switches with knurled knob *(1)*

Shape of head	Type of operator	Positions Number	Positions Type		Reference	Weight kg
Heads only						
	Black knurled knob	2-position 90°	Stay put		**ZB4 BD29**	0.043
			Spring return from right to left		**ZB4 BD49**	0.050
		3-position ± 45°	Stay put		**ZB4 BD39**	0.040
			Spring return to centre		**ZB4 BD59**	0.040
			Spring return from left to centre		**ZB4 BD79**	0.040
			Spring return from right to centre		**ZB4 BD89**	0.040

106198

ZB4 BD29

Toggle switches *(1)*

Shape of head	Type of operator	Positions Number	Positions Type		Reference	Weight kg
Heads only						
	Black lever	2-position 90°	Stay put		**ZB4 BD28**	0.026
			Spring return		**ZB4 BD48**	0.026

814205

ZB4 BD28

Heads with black metal bezel

To order, add a figure **7** to the references selected from above.
Example: **ZB4 BD29** becomes **ZB4 BD297**.

For the references with key TEC10, add the 7 before TEC10.
Example: **ZB4 BG2TEC10** becomes **ZB4 BG27TEC10**.

(1) Recommended maximum number of contacts and sequence of contacts constituting the body (fixing collar + contact) associated with the head, see page 18.

Control and signalling units Ø 22

Harmony® XB4, metal

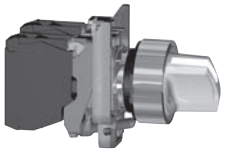
Illuminated selector switches with standard handle, with integral LED

Assembly of other products using:
combined sub-assemblies: see page 48
accessories: see page 58

Illuminated selector switches with standard handle, with integral LED (1)

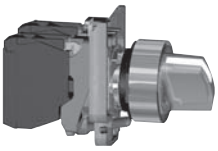
Screw clamp terminal connections (Schneider Electric anti-retightening system)

106192



XB4 BK123B5

106193



XB4 BK134B5

Shape of head	Type of operator	Type of contact N/O	Type of contact N/C	Positions Number Type	Supply voltage V	Colour of handle	Reference	Weight kg
Complete units								
	Standard handle	1	1	2-position Stay put 90°	⎓ 24 (50/60 Hz)	Green	**XB4 BK123B5** (ZB4 BW0B35 + ZB4 BK1233)	0.101
						Red	**XB4 BK124B5** (ZB4 BW0B45 + ZB4 BK1243)	0.101
						Orange	**XB4 BK125B5** (ZB4 BW0B55 + ZB4 BK1253)	0.101
					∼ 110...120 (50/60 Hz)	Green	**XB4 BK123G5** (ZB4 BW0G35 + ZB4 BK1233)	0.101
						Red	**XB4 BK124G5** (ZB4 BW0G45 + ZB4 BK1243)	0.101
						Orange	**XB4 BK125G5** (ZB4 BW0G55 + ZB4 BK1253)	0.101
					∼ 230...240 (50/60 Hz)	Green	**XB4 BK123M5** (ZB4 BW0M35 + ZB4 BK1233)	0.101
						Red	**XB4 BK124M5** (ZB4 BW0M45 + ZB4 BK1243)	0.101
						Orange	**XB4 BK125M5** (ZB4 BW0M55 + ZB4 BK1253)	0.101
		1	1	3-position Stay put ± 45°	⎓ 24 (50/60 Hz)	Green	**XB4 BK133B5** (ZB4 BW0B35 + ZB4 BK1333)	0.101
						Red	**XB4 BK134B5** (ZB4 BW0B45 + ZB4 BK1343)	0.101
						Orange	**XB4 BK135B5** (ZB4 BW0B55 + ZB4 BK1353)	0.101
					∼ 110...120 (50/60 Hz)	Green	**XB4 BK133G5** (ZB4 BW0G35 + ZB4 BK1333)	0.101
						Red	**XB4 BK134G5** (ZB4 BW0G45 + ZB4 BK1343)	0.101
						Orange	**XB4 BK135G5** (ZB4 BW0G55 + ZB4 BK1353)	0.101
					∼ 230...240 (50/60 Hz)	Green	**XB4 BK133M5** (ZB4 BW0M35 + ZB4 BK1333)	0.101
						Red	**XB4 BK134M5** (ZB4 BW0M45 + ZB4 BK1343)	0.101
						Orange	**XB4 BK135M5** (ZB4 BW0M55 + ZB4 BK1353)	0.101

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 18.

Control and signalling units Ø 22

Harmony® XB4, metal

Illuminated selector switches with standard handle, with integral LED

Assembly of other products using:
combined sub-assemblies: see page 44
accessories: see page 58

106200

ZB4 BK1343

Illuminated selector switches with standard handle, with integral LED (continued) *(1)*

Shape of head	Type of operator	Positions Number	Positions Type	Colour of handle	Reference	Weight kg
Heads only *(2)*						
	Standard handle	2-position 90°	Stay put	White	**ZB4 BK1213**	0.036
				Green	**ZB4 BK1233**	0.036
				Red	**ZB4 BK1243**	0.036
				Orange	**ZB4 BK1253**	0.036
				Blue	**ZB4 BK1263**	0.036
			Spring return from right to left	White	**ZB4 BK1413**	0.037
				Green	**ZB4 BK1433**	0.037
				Red	**ZB4 BK1443**	0.037
				Orange	**ZB4 BK1453**	0.037
				Blue	**ZB4 BK1463**	0.037
		3-position ± 45°	Stay put	White	**ZB4 BK1313**	0.036
				Green	**ZB4 BK1333**	0.036
				Red	**ZB4 BK1343**	0.036
				Orange	**ZB4 BK1353**	0.036
				Blue	**ZB4 BK1363**	0.036
			Spring return to centre	White	**ZB4 BK1513**	0.036
				Green	**ZB4 BK1533**	0.036
				Red	**ZB4 BK1543**	0.036
				Orange	**ZB4 BK1553**	0.036
				Blue	**ZB4 BK1563**	0.036
			Spring return from right to centre	White	**ZB4 BK1813**	0.036
				Green	**ZB4 BK1833**	0.036
				Red	**ZB4 BK1843**	0.036
				Orange	**ZB4 BK1853**	0.036
				Blue	**ZB4 BK1863**	0.036
			Spring return from left to centre	White	**ZB4 BK1713**	0.036
				Green	**ZB4 BK1733**	0.036
				Red	**ZB4 BK1743**	0.036
				Orange	**ZB4 BK1753**	0.036
				Blue	**ZB4 BK1763**	0.036

Heads with black metal bezel

To order, add a figure **7** to the references selected from above.
Example: **ZB4 BK1213** becomes **ZB4 BK12137**.

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 18.
(2) Only for use with bodies comprising a light source with integral LED.

Control and signalling units Ø 22

Harmony® XB4, metal

Pilot lights with integral LED

Assembly of other products using:
body/light assemblies: see page 52
accessories: see pages 56 and 60

Pilot lights with integral LED

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Supply voltage V	Colour	Reference	Weight kg
Complete units				
■ With plain lens				
	≂ 24 (50/60 Hz)	White	**XB4 BVB1** (ZB4 BVB1 + ZB4 BV013)	0.080
		Green	**XB4 BVB3** (ZB4 BVB3 + ZB4 BV033)	0.080
		Red	**XB4 BVB4** (ZB4 BVB4 + ZB4 BV043)	0.080
		Orange	**XB4 BVB5** (ZB4 BVB5 + ZB4 BV053)	0.080
		Blue	**XB4 BVB6** (ZB4 BVB6 + ZB4 BV063)	0.080
	∼ 110...120 (50/60 Hz)	White	**XB4 BVG1** (ZB4 BVG1 + ZB4 BV013)	0.080
		Green	**XB4 BVG3** (ZB4 BVG3 + ZB4 BV033)	0.080
		Red	**XB4 BVG4** (ZB4 BVG4 + ZB4 BV043)	0.080
		Orange	**XB4 BVG5** (ZB4 BVG5 + ZB4 BV053)	0.080
		Blue	**XB4 BVG6** (ZB4 BVG6 + ZB4 BV063)	0.080
	∼ 230...240 (50/60 Hz)	White	**XB4 BVM1** (ZB4 BVM1 + ZB4 BV013)	0.080
		Green	**XB4 BVM3** (ZB4 BVM3 + ZB4 BV033)	0.080
		Red	**XB4 BVM4** (ZB4 BVM4 + ZB4 BV043)	0.080
		Orange	**XB4 BVM5** (ZB4 BVM5 + ZB4 BV053)	0.080
		Blue	**XB4 BVM6** (ZB4 BVM6 + ZB4 BV063)	0.080

814114

XB4 BVB5

Heads only *(1)*

Shape of head	For use with body comprising light source type	Colour of lens	Reference	Weight kg
■ With plain lens				
	Integral LED only	White	**ZB4 BV013**	0.026
		Green	**ZB4 BV033**	0.026
		Red	**ZB4 BV043**	0.026
		Orange	**ZB4 BV053**	0.026
		Blue	**ZB4 BV063**	0.026
		5 colours *(2) (3)*	**ZB4 BV003**	0.026
■ With plain lens, for insertion of legend *(3)*				
	Integral LED only	White	**ZB4 BV013E**	0.026
		Green	**ZB4 BV033E**	0.026
		Red	**ZB4 BV043E**	0.026
		Orange	**ZB4 BV053E**	0.026
		Blue	**ZB4 BV063E**	0.026
■ With grooved lens *(4)*				
	Integral LED only	White	**ZB4 BV013S**	0.026
		Green	**ZB4 BV033S**	0.026
		Red	**ZB4 BV043S**	0.026
		Orange	**ZB4 BV053S**	0.026
		Blue	**ZB4 BV063S**	0.026

814213

ZB4 BV063

523768

ZB4 BV043S

(1) Only for use with bodies comprising a light source with integral LED.
(2) Head supplied with 5 different coloured lenses (white, green, red, orange, blue) not fitted, for insertion of legend.
(3) For legend ordering information: see page 58.
(4) For use in bright ambient light conditions (outdoors in sunlight, for example).

Control and signalling units Ø 22

Harmony® XB4, metal

Pilot lights with integral LED and with BA 9s base fitting

Assembly of other products using:
body/light assemblies: see page 53
accessories: see pages 56 and 60

Pilot lights with integral LED and transformer (1.2 VA, 24 V secondary)

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Supply voltage V	Colour	Reference (1)	Weight kg
Complete units - With plain lens				
	∿ 400 - 50 Hz (1)	White	**XB4 BV5B1** n	0.172
		Green	**XB4 BV5B3** n	0.172
		Red	**XB4 BV5B4** n	0.172
		Orange	**XB4 BV5B5** n	0.172
		Blue	**XB4 BV5B6** n	0.172

Protected LED

080702

XB4 BV5B●

Pilot lights with BA 9s base fitting, with plain or grooved lens

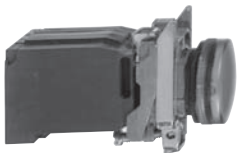
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Supply voltage V	Colour	Reference	Weight kg
Complete units - With plain lens				
■ Direct supply, for BA 9s bulb, U ≤ 250 V, 2.4 W max (bulb not included)				
	≤ 250	White	**XB4 BV61** (ZB4 BV6 + ZB4 BV01)	0.075
		Green	**XB4 BV63** (ZB4 BV6 + ZB4 BV03)	0.075
		Red	**XB4 BV64** (ZB4 BV6 + ZB4 BV04)	0.075
		Orange	**XB4 BV65** (ZB4 BV6 + ZB4 BV05)	0.075
■ Via integral transformer, 1.2 VA, 6 V secondary, with BA 9s incandescent bulb (included)				
	∿ 110...120 - 50/60 Hz	White	**XB4 BV31** (ZB4 BV3 + ZB4 BV01)	0.152
		Green	**XB4 BV33** (ZB4 BV3 + ZB4 BV03)	0.152
		Red	**XB4 BV34** (ZB4 BV3 + ZB4 BV04)	0.152
		Orange	**XB4 BV35** (ZB4 BV3 + ZB4 BV05)	0.152
	∿ 230 - 50 Hz ∿ 220...240 - 60 Hz	White	**XB4 BV41** (ZB4 BV4 + ZB4 BV01)	0.152
		Green	**XB4 BV43** (ZB4 BV4 + ZB4 BV03)	0.152
		Red	**XB4 BV44** (ZB4 BV4 + ZB4 BV04)	0.152
		Orange	**XB4 BV45** (ZB4 BV4 + ZB4 BV05)	0.152

814114

XB4 BV64

814117



XB4 BV33

Heads only (2)

Shape of head	For use with body comprising light source type	Colour of lens	Reference	Weight kg
■ With plain lens				
	With BA 9s base fitting	White	**ZB4 BV01**	0.027
		Green	**ZB4 BV03**	0.027
		Red	**ZB4 BV04**	0.027
		Orange	**ZB4 BV05**	0.027
		Blue	**ZB4 BV06**	0.027
		Clear	**ZB4 BV07**	0.027
■ With grooved lens (3)				
	With BA 9s base fitting	White	**ZB4 BV01S**	0.027
		Green	**ZB4 BV03S**	0.027
		Red	**ZB4 BV04S**	0.027
		Orange	**ZB4 BV05S**	0.027
		Blue	**ZB4 BV06S**	0.027
		Clear	**ZB4 BV07S**	0.027

814213

ZB4 BV04

523768

ZB4 BV06S

(1) Tor order ∿ 440...460 V - 60 Hz tranformer blocks, please replace «5» in the reference by «8». Example: XB4 BV5B1 becomes XB4 BV8B1. To order ∿ 550...600 V - 60 Hz blocks, please replace «5» by «9». Example: XB4 BV5B1 becomes XB4 BV9B1.

(2) Only for use with bodies comprising a light source with BA 9s base fitting (incandescent, neon or LED).

(3) For use in bright ambient light conditions (outdoors in sunlight, for example).

n New

General : page 6
Characteristics : page 14
Dimensions : page 68

Control and signalling units Ø 22

Harmony® XB4, metal

Specific functions

Pushbuttons for manual overload reset, hour counters, buzzers, fuse carrier

Assembly of other products using:
body/contact assemblies: see page 44
accessories: see page 58

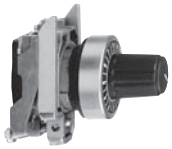
814340

XB4 BA8●1

Manual overload reset pushbuttons

Shape of head	Travel mm	Actuation distance mm	Colour	Reference	Weight kg
With flush push					
	10	6…16	Black	**XB4 BA821**	0.037
			Red	**XB4 BA841**	0.037
			Blue	**XB4 BA861**	0.037
		16…26	Black	**XB4 BA822**	0.038
			Red	**XB4 BA842**	0.038
			Blue	**XB4 BA862**	0.038
	14	30…130	Black	**XB4 BA921**	0.058
			Red	**XB4 BA941**	0.058
			Blue	**XB4 BA961**	0.058
		130…257	Black	**XB4 BA922**	0.071
			Red	**XB4 BA942**	0.071
			Blue	**XB4 BA962**	0.071

814341



ZB4 BD912

Heads + mounting base for potentiometer *(1)*

Shape of head	Description	For use with	Reference	Weight kg
	For potentiometer with shaft length 45 to 50 mm	Ø 6 mm shaft	**ZB4 BD912**	0.080
		Ø 6.35 mm shaft	**ZB4 BD922**	0.080

814343

XB5 DS●

Hour counters

Characteristics	Supply voltage V	Reference	Weight kg
Indication 0…9999.9	⎓ 12…24 - 50/60 Hz	**XB5 DSB**	0.045
	∿ 120 -60 Hz	**XB5 DSG**	0.045
	∿ 230…240 -50 Hz	**XB5 DSM**	0.045

814344

XB5 KS●

Annunciators (IP 40 NEMA 1)

85 db buzzer: 4 kHz, with continuous or intermittent operation (connection diagram: see page 74)	⎓ 24 - 50/60 Hz	**XB5 KSB**	0.035
	∿ 120 - 50/60 Hz	**XB5 KSG**	0.035
	∿ 230…240 -50 Hz	**XB5 KSM**	0.035

814344

XB5 DT1S

Fuse carrier

Description	For use with	Reference	Weight kg
Fuse carrier	5 x 20 mm fuse 6.3 A - 250 V	**XB5 DT1S**	0.022

(1) Potentiometer not included.

General : page 6
Characteristics : page 14
Dimensions : page 68

Schneider Electric

Control and signalling units Ø 22

Harmony® XB4, metal

Specific functions

Joystick controllers, wobblesticks

Assembly of other products using: accessories: see page 58

814342

XD4 PA12

Joystick controllers (with 54 mm long operating shaft) *(1)*

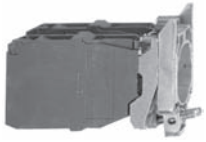
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Description	Operation	Spring return to zero position	Reference	Weight kg
Complete products				
2-direction	1 notch 1 N/O contact per direction	Without	**XD4 PA12**	0.116
		With	**XD4 PA22**	0.116
4-direction	1 notch 1 N/O contact per direction	Without	**XD4 PA14**	0.133
		With	**XD4 PA24**	0.133

814346

ZD4 PA103

814348



ZD4 PA203

814347

ZD4 PA12

Sub-assemblies for joystick controllers

Description	Functions		Reference	Weight kg
Complete body/contact assemblies	2-direction		**ZD4 PA103**	0.049
	4-direction		**ZD4 PA203**	0.058
Complete head assemblies with operating shaft	2-direction, stay put		**ZD4 PA12**	0.022
	2-direction, spring return to zero position		**ZD4 PA22**	0.022
	4-direction, stay put		**ZD4 PA14**	0.022
	4-direction, spring return to zero position		**ZD4 PA24**	0.022
Legends 30 x 48 mm for engraving	2-direction	Black one side Red reverse	**ZBG 2201**	0.001
		White one side Yellow reverse	**ZBG 2401**	0.001
Legends 48 x 48 mm for engraving	4-direction	Black one side Red reverse	**ZBG 4201**	0.002
		White one side Yellow reverse	**ZBG 4401**	0.002

109497

ZB4 BB2

Wobblestick heads

Shape of head	For use with	Colour	Reference	Weight kg
	Omnidirectional, spring return	Black	**ZB4 BB2**	0.058
		Red	**ZB4 BB4**	0.058

(1) Must not be used with standard contact blocks ZBE 10● (single) or ZBE 20● (double).

Other versions Joystick controllers and complete body/contact assemblies for joystick controllers with Faston connector terminals (6.35 or 2 x 2.8).
Please consult your Regional Sales Office.

Control and signalling units Ø 22

Harmony® XB4, metal

Body/contact assemblies - Screw clamp terminal connections

To combine with heads, see pages 20 to 42

814264

ZB4 BZ009

814265

ZBE 101

814267

ZBE 203

814133

ZB4 BZ101

814265

ZBE 201

814346

ZB4 BZ106

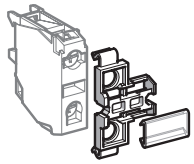
814346

ZB4 BZ107

080706

ZBE 501

814262



ZBZ 001

Body/fixing collar

For use with	Sold in lots of	Unit reference	Weight kg
Electrical block (contact or light)	10	**ZB4 BZ009**	0.038

Contact functions *(1)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Contacts for standard applications

Description	Type of contact	N/O	N/C	Sold in lots of	Unit reference	Weight kg
Contact blocks	Single	1	–	5	**ZBE 101**	0.011
		–	1	5	**ZBE 102**	0.011
	Double	2	–	5	**ZBE 203**	0.020
		–	2	5	**ZBE 204**	0.020
		1	1	5	**ZBE 205**	0.020
	Single with body/fixing collar	1	–	1	**ZB4 BZ101**	0.053
		–	1	1	**ZB4 BZ102**	0.053
		2	–	1	**ZB4 BZ103**	0.062
		–	2	1	**ZB4 BZ104**	0.062
		1	1	1	**ZB4 BZ105**	0.062
		1	2	1	**ZB4 BZ141**	0.072

Contacts for specific applications

Application	Type of contact	Description	N/O	N/C	Sold in lots of	Unit reference	Weight kg
Low power switching	Single	Standard	1	–	5	**ZBE 1016**	0.012
			–	1	5	**ZBE 1026**	0.012
		Dusty environment *(2)* (IP5X, 50 µm dust)	1	–	5	**ZBE 1016P**	0.012
			–	1	5	**ZBE 1026P**	0.012
Staggered contacts	Single	Early make N/O	1	–	5	**ZBE 201**	0.011
		Late break N/C	–	1	5	**ZBE 202**	0.011
	Single with body/fixing collar	Overlapping N/O+N/C	1	1	5	**ZB4 BZ106**	0.062
		Staggered N/O+N/O	2	–	5	**ZB4 BZ107**	0.062
High power switching	Single	Standard *(3)*	1	–	1	**ZBE 501** n	0,020
			–	1	1	**ZBE 502** n	0,020
			2	–	1	**ZBE 503** n	0,032
			–	2	1	**ZBE 504** n	0,032
			1	1	1	**ZBE 505** n	0,032

Clip-on legend holder, sheet of blank legends and labelling software

Description	Sold in lots of	Unit reference	Weight kg
Clip-on legend-holder for electrical blocks with screw clamp terminal connections *(4)*. **For identification of an XB4 B control or signalling unit**	10	**ZBZ 001**	0.001
Sheet of 50 blank legends for legend holder ZBZ 001	10	**ZBY 001**	0.023
«SIS Label» labelling software for legend design (ZBY 001 legends) (for design of legends in English, French, German, Italian, Spanish)	1	**XBY 2U**	0.100

(1) The contact blocks enable variable composition of body/contact assemblies. Maximum number of rows possible: 3. Either 3 rows of 3 single contacts or 1 row of 3 double contacts + 1 row of 3 single contacts (double contacts occupy the first 2 rows). Maximum number of contacts is specified on page 18.

(2) It is not possible to fit an additional contact block on the back of these contact blocks.

(3) It is not possible to fit an additional contact block on the back of these contact blocks or to use these contacts with light blocks.

(4) This legend holder is not compatible with high power switching contacts.

n New

General : page 6
Characteristics : page 14
Dimensions : page 68

Schneider Electric

Control and signalling units Ø 22

Harmony® XB4, metal

Light blocks - “Test light” - Protection

To combine with heads, see page 24

ZBV B●

Light blocks with screw clamp terminal connections (Schneider Electric anti-retightening system)

Description	Supply voltage V	Colour of light source	Sold in lots of	Unit reference	Weight kg
Integral LED (to combine with heads for integral LED) Protected LED	⎓ 12 (50/60 Hz)	White	5	**ZBV J1**	0.017
		Green	5	**ZBV J3**	0.017
		Red	5	**ZBV J4**	0.017
		Orange	5	**ZBV J5**	0.017
		Blue	5	**ZBV J6**	0.017
	⎓ 24 (50/60 Hz)	White	5	**ZBV B1**	0.017
		Green	5	**ZBV B3**	0.017
		Red	5	**ZBV B4**	0.017
		Orange	5	**ZBV B5**	0.017
		Blue	5	**ZBV B6**	0.017
	⎓ 24…120 (50/60 Hz)	White	5	**ZBV BG1**	0.017
		Green	5	**ZBV BG3**	0.017
		Red	5	**ZBV BG4**	0.017
		Orange	5	**ZBV BG5**	0.017
		Blue	5	**ZBV BG6**	0.017
	∼ 110...120 (50/60 Hz)	White	5	**ZBV G1**	0.017
		Green	5	**ZBV G3**	0.017
		Red	5	**ZBV G4**	0.017
		Orange	5	**ZBV G5**	0.017
		Blue	5	**ZBV G6**	0.017
	∼ 230...240 (50/60 Hz)	White	5	**ZBV M1**	0.017
		Green	5	**ZBV M3**	0.017
		Red	5	**ZBV M4**	0.017
		Orange	5	**ZBV M5**	0.017
		Blue	5	**ZBV M6**	0.017

ZBV 5B

ZBZ G156

ZBZ M156

ZBZ V●

Flashing light blocks with screw clamp terminal connections (Schneider Electric anti-retightening system)

Integral LED (to combine with heads for integral LED) Protected LED	⎓ 24 (50/60 Hz)	White	5	**ZBV 18B1**	0.017
		Green	5	**ZBV 18B3**	0.017
		Red	5	**ZBV 18B4**	0.017
		Orange	5	**ZBV 18B5**	0.017
		Blue	5	**ZBV 18B6**	0.017
	∼ 110...120 (50/60 Hz)	White	5	**ZBV 18G1**	0.017
		Green	5	**ZBV 18G3**	0.017
		Red	5	**ZBV 18G4**	0.017
		Orange	5	**ZBV 18G5**	0.017
		Blue	5	**ZBV 18G6**	0.017
	∼ 230...240 (50/60 Hz)	White	5	**ZBV 18M1**	0.017
		Green	5	**ZBV 18M3**	0.017
		Red	5	**ZBV 18M4**	0.017
		Orange	5	**ZBV 18M5**	0.017
		Blue	5	**ZBV 18M6**	0.017

Transformer blocks for 24 V light blocks

For use with	Supply voltage V	Description	Référence	Weight kg
Light blocks with integral LED	∼ 400 V - 50 Hz	Transformer 400 V - 24 V ∼	**ZBV 5B** *(1)* n	0.090

Blocks for “test light” function

Light blocks	⎓ 12 and 24 ⎓ 24…120	Single module, 1 connecting wire	**ZBZ G156** *(2)*	0.010
Light blocks with integral LED	∼ 48…230	Double module, with connecting wires	**ZBZ M156** *(3)*	0.010

LED suppressors

For use with	Supply voltage V	Level of protection	Reference	Weight kg
Light blocks with integral LED fitted with screw clamp terminal connections	∼ 120	25…120 VA	**ZBZ VG**	0.010
	∼ 230	30…230 VA	**ZBZ VM**	0.010

(1) To order ∼ 440...460 V - 60 Hz transformer blocks, please replace «5» in the reference by «8» : ZBV 5B becomes ZBV 8B. To order ∼ 550...600 V - 60 Hz transformer blocks, please replace «5» by «9» : ZBV 5B becomes ZBV 9B.

*(2) Block for use with ⎓ light blocks with integral LED types **ZBV J●**, **ZBV B●**, **ZVB BG●** or with direct supply light block for BA 9s bulb, **ZBV 6**.*

*(3) Block for use ∼ light blocks integral LED types **ZBV G●**, **ZBV M●**, see connection on page 76.*

n New

General : page 6
Characteristics : page 14
Dimensions : page 68

Control and signalling units Ø 22

Harmony® XB4, metal

Body/contact assemblies - Spring clamp terminal connections

To combine with heads, see pages 20 to 42

814264

ZB4 BZ009

Body/fixing collar

For use with	Sold in lots of	Unit reference	Weight kg
Electrical block (contact or light)	10	**ZB4 BZ009**	0.038

PF107777

ZBE 1015

Contact functions

Spring clamp terminal connections *(1)*

Contacts for standard applications

Description	Type of contact	N/O	N/C	Sold in lots of	Unit reference	Weight kg
Contact blocks	Single	1	–	4	**ZBE 1015** n	0.011
		–	1	4	**ZBE 1025** n	0.011
	Single with body/fixing collar	1	–	1	**ZB4 BZ1015** n	0.053
		–	1	1	**ZB4 BZ1025** n	0.053
		2	–	1	**ZB4 BZ1035** n	0.062
		–	2	1	**ZB4 BZ1045** n	0.062
		1	1	1	**ZB4 BZ1055** n	0.062

PF107779

ZB4 BZ1015

Light blocks

Spring clamp terminal connections *(1)*

Description	Supply voltage V	Colour of light source	Sold in lots of	Unit reference	Weight kg
Integral LED (to combine with heads for integral LED) Protected LED	≂ 12 (50/60 Hz)	White	4	**ZBV J15** n	0.016
		Green	4	**ZBV J35** n	0.016
		Red	4	**ZBV J45** n	0.016
		Orange	4	**ZBV J55** n	0.016
		Blue	4	**ZBV J65** n	0.016
	⎓ 24 (50/60 Hz)	White	4	**ZBV B15** n	0.016
		Green	4	**ZBV B35** n	0.016
		Red	4	**ZBV B45** n	0.016
		Orange	4	**ZBV B55** n	0.016
		Blue	4	**ZBV B65** n	0.016
	∼ 110...120 (50/60 Hz)	White	4	**ZBV G15** n	0.016
		Green	4	**ZBV G35** n	0.016
		Red	4	**ZBV G45** n	0.016
		Orange	4	**ZBV G55** n	0.016
		Blue	4	**ZBV G65** n	0.016
	∼ 230...240 (50/60 Hz)	White	4	**ZBV M15** n	0.016
		Green	4	**ZBV M35** n	0.016
		Red	4	**ZBV M45** n	0.016
		Orange	4	**ZBV M55** n	0.016
		Blue	4	**ZBV M65** n	0.016

540548

XBY 2U

Sheet of 50 blank legends

For use with	Sold in lots of	Unit reference	Weight kg
Legend holder ZBZ 001	10	**ZBY 001**	0.023

"SIS Label" labelling software (for legends ZBY 001)

For legend design for English, French, German, Italian, Spanish	10	**XBY 2U**	0.100

(1) It is not possible to fit an additional block on the back of these contact or light blocks.

n New

General : page 6
Characteristics : page 14
Dimensions : page 68

Schneider Electric

Control and signalling units Ø 22

Harmony® XB4, metal

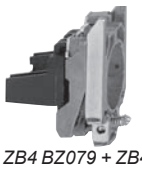
Body/contact assemblies for printed circuit board

To combine with heads, see pages 28 to 42

814264

ZB4 BZ009

814286



ZB4 BZ079 + ZB4 BZ009

540159

ZBZ 01●

814287

ZBE 701

814288

ZBE 702

814289

ZBV B●7

Body/fixing collar and accessories specifically for printed circuit board mounting (1)

Accessories required when using adaptor (socket) ZBZ 010

Description	For use with	Sold in lots of	Unit reference	Weight kg
Body/fixing collar	Electrical block (contact or light)	10	**ZB4 BZ009**	0.006
Fixing collar/pillar	Printed circuit board support (fixing screw ZBZ 006 to be ordered separately)	10	**ZB4 BZ079**	0.003
Fixing screw for printed circuit board	Fixing collar/pillar ZB4 BZ079	10	**ZBZ 006**	0.011

Adapter (socket) (1)

For use with	Thickness of printed circuit board (mm)	Sold in lots of	Unit reference	Weight kg
Electrical block (contact or light)	1.6 ± 0.2	10	**ZBZ 010**	0.008
	2.2 ± 0.2	10	**ZBZ 011**	0.008
	3.2 ± 0.2	10	**ZBZ 012**	0.008

Contact functions (1)

Contacts for standard applications

Description	Type of contact	N/O	N/C	Sold in lots of	Unit reference	Weight kg
Contact blocks	Single	1	–	5	**ZBE 701**	0.011
		–	1	5	**ZBE 702**	0.011

Contacts for specific applications

Application	Type of contact	N/O	N/C	Sold in lots of	Unit reference	Weight kg
Low power switching	Single	1	–	5	**ZBE 7016**	0.012
		–	1	5	**ZBE 7026**	0.012

Light blocks (1)

Description	Supply voltage V	Colour of LED	Sold in lots of	Unit reference	Weight kg
Integral LED (to combine with heads for integral LED)	≂ 24 (50/60 Hz)	White	5	**ZBV B17**	0.004
		Green	5	**ZBV B37**	0.004
		Red	5	**ZBV B47**	0.004
		Orange	5	**ZBV B57**	0.004
		Blue	5	**ZBV B67**	0.004

Protected LED

(1) For details of support drilling and of printed circuit board: see page 79

Control and signalling units Ø 22

Harmony® XB4, metal

Body/contact assemblies - Faston connectors

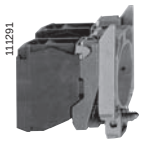
To combine with heads, see pages 20 to 42

121475

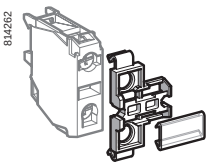
ZBE 1023

121508

ZBE 2043


111291

ZB4 BZ1053


814262

ZBZ 001

540548

XBY 2U

Contact functions *(1)*

Faston connectors (6.35 or 2 x 2.8 mm) (Schneider Electric anti-retightening system)

Contacts for standard applications

Description	Type of contact	N/O	N/C	Sold in lots of	Unit reference	Weight kg
Contact blocks	Single	1	–	5	**ZBE 1013**	0.011
		–	1	5	**ZBE 1023**	0.011
	Double	2	–	5	**ZBE 2033**	0.020
		–	2	5	**ZBE 2043**	0.020
		1	1	5	**ZBE 2053**	0.020
	Single with body/fixing collar	1	–	1	**ZB4 BZ1013** *(2)*	0.053
		–	1	1	**ZB4 BZ1023** *(2)*	0.053
		2	–	1	**ZB4 BZ1033**	0.062
		–	2	1	**ZB4 BZ1043**	0.062
		1	1	1	**ZB4 BZ1053**	0.062

Contacts for specific applications

Application	Type of contact	Description	N/O	N/C	Sold in lots of	Unit reference	Weight kg
Low power switching	Single	Standard	1	–	5	**ZBE 10163** *(2)*	0.012
			–	1	5	**ZBE 10263** *(2)*	0.012
		Dusty environments *(3)* (IP5X, 50 µm dust)	1	–	5	**ZBE 1016P3** *(2)*	0.012
			–	1	5	**ZBE 1026P3** *(2)*	0.012
Staggered contacts	Single	Early make N/O	1	–	5	**ZBE 2013** *(2)*	0.011
		Late break N/C	–	1	5	**ZBE 2023** *(2)*	0.011
High power switching	Single	Standard *(4)*	1	–	1	**ZBE 5013** n	0,021
			–	1	1	**ZBE 5023** n	0,021
			2	–	1	**ZBE 5033** n	0,033
			–	2	1	**ZBE 5043** n	0,033
			1	1	1	**ZBE 5053** n	0,033

Clip-on legend holder for electrical blocks with screw clamp terminal connections *(5)*

For use with	Sold in lots of	Unit reference	Weight kg
Identification of an XB4 B control or signalling unit	10	**ZBZ 001**	0.001

Sheet of 50 blank legends

Legend holder ZBZ 001	10	**ZBY 001**	0.023

"SIS Label" labelling software (for legends ZBY 001)

For legend design for English, French, German, Italian, Spanish	1	**XBY 2U**	0.100

(1) The contact blocks enable variable composition of body/contact assemblies. Maximum number of rows possible: 3. Either 3 rows of 3 single contacts or 1 row of 3 double contacts + 1 row of 3 single contacts (double contacts occupy the first 2 rows).
*(2) To order products with screw clamp terminal connections for lugs, replace the **3** at the end of the reference with a **9**. Example: **ZBE 1013** becomes **ZBE 1019**.*
(3) It is not possible to fit an additional contact block on the back of these contact blocks.
(4) It is not possible to fit an additional contact block on the back of these contact blocks or to use these contacts with light blocks.
(5) This legend holder is not compatible with high power switching contact blocks.

n New

General : page 6
Characteristics : page 14
Dimensions : page 68

Control and signalling units Ø 22

Harmony® XB4, metal

Body/contact assemblies - Plug-in connector

To combine with heads, see pages 20 to 42

814264

ZB4 BZ009

814278

ZBE 1014

814279

ZBE 1024

814135

ZB4 BZ1014

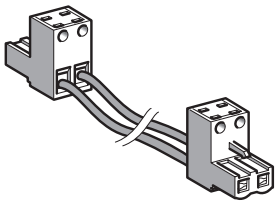
814136

ZB4 BZ1024

814280

ZBV B●4

530719



APE 1C2250

Body/fixing collar

For use with	Sold in lots of	Unit reference	Weight kg
Electrical block (contact or light)	10	**ZB4 BZ009**	0.038

Contact functions

Plug-in connector *(1)*

Contacts for standard applications

Description	Type of contact	N/O	N/C	Sold in lots of	Unit reference	Weight kg
Contact blocks	Single	1	–	**5**	**ZBE 1014**	0.011
		–	1	**5**	**ZBE 1024**	0.011
	Single with body/fixing collar	1	–	**1**	**ZB4 BZ1014**	0.050
		–	1	**1**	**ZB4 BZ1024**	0.050
		2	–	**1**	**ZB4 BZ1034**	0.058
		–	2	**1**	**ZB4 BZ1044**	0.058
		1	1	**1**	**ZB4 BZ1054**	0.058
		1	2	**1**	**ZB4 BZ1414**	0.064

Light blocks

Plug-in connector

Description	Supply voltage (V)	Colour of light source	Sold in lots of	Unit reference	Weight kg
Integral LED (to combine with heads for integral LED) Protected LED	⎓ 24 (50/60 Hz)	White	5	**ZBV B14**	0.016
		Green	5	**ZBV B34**	0.016
		Red	5	**ZBV B44**	0.016
		Orange	5	**ZBV B54**	0.016
		Blue	5	**ZBV B64**	0.016
	∼ 110…120 (50/60 Hz)	White	5	**ZBV G14**	0.016
		Green	5	**ZBV G34**	0.016
		Red	5	**ZBV G44**	0.016
		Orange	5	**ZBV G54**	0.016
		Blue	5	**ZBV G64**	0.016
	∼ 230…240 (50/60 Hz)	White	5	**ZBV M14**	0.016
		Green	5	**ZBV M34**	0.016
		Red	5	**ZBV M44**	0.016
		Orange	5	**ZBV M54**	0.016
		Blue	5	**ZBV M64**	0.016

Connecting cables and connector

Description	Number of connectors	Wire c.s.a. mm²	Length mm	Sold in lots of	Unit reference	Weight kg
Cables with connectors 2-pin, 5.08 mm pitch	1	0.75	500	8	**APE 1C2150**	0.120
	2	0.75	500	8	**APE 1C2250**	0.180
Spring terminal connector 2-pin, 5.08 mm pitch	–	0.2 to 2.5	–	10	**APE 1PRE21**	0.003

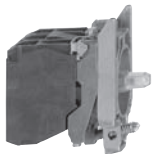
(1) It is not possible to fit an additional contact block on the back of these contact blocks.

Control and signalling units Ø 22

Harmony® XB4, metal

Body/contact assemblies + light blocks with integral LED

To combine with:
heads, see pages 23 to 39
contacts, see page 44



ZB4 BW0●●3

Complete body/contact assemblies and light blocks *(1)*
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Light source	Supply voltage V	Type of contact N/O	Type of contact N/C	Colour of light source	Reference	Weight kg
Direct supply						
Integral LED Protected LED	⎓ 24 (50/60 Hz)	1	–	White	**ZB4 BW0B11**	0.064
				Green	**ZB4 BW0B31**	0.064
				Red	**ZB4 BW0B41**	0.064
				Orange	**ZB4 BW0B51**	0.064
				Blue	**ZB4 BW0B61**	0.064
		–	1	White	**ZB4 BW0B12**	0.064
				Green	**ZB4 BW0B32**	0.064
				Red	**ZB4 BW0B42**	0.064
				Orange	**ZB4 BW0B52**	0.064
				Blue	**ZB4 BW0B62**	0.064
		2	–	White	**ZB4 BW0B13**	0.074
				Green	**ZB4 BW0B33**	0.074
				Red	**ZB4 BW0B43**	0.074
				Orange	**ZB4 BW0B53**	0.074
				Blue	**ZB4 BW0B63**	0.074
		1	1	White	**ZB4 BW0B15**	0.074
				Green	**ZB4 BW0B35**	0.074
				Red	**ZB4 BW0B45**	0.074
				Orange	**ZB4 BW0B55**	0.074
				Blue	**ZB4 BW0B65**	0.074
	∿ 110...120 (50/60 Hz)	1	–	White	**ZB4 BW0G11**	0.064
				Green	**ZB4 BW0G31**	0.064
				Red	**ZB4 BW0G41**	0.064
				Orange	**ZB4 BW0G51**	0.064
				Blue	**ZB4 BW0G61**	0.064
		–	1	White	**ZB4 BW0G12**	0.064
				Green	**ZB4 BW0G32**	0.064
				Red	**ZB4 BW0G42**	0.064
				Orange	**ZB4 BW0G52**	0.064
				Blue	**ZB4 BW0G62**	0.064
		2	–	White	**ZB4 BW0G13**	0.074
				Green	**ZB4 BW0G33**	0.074
				Red	**ZB4 BW0G43**	0.074
				Orange	**ZB4 BW0G53**	0.074
				Blue	**ZB4 BW0G63**	0.074
		1	1	White	**ZB4 BW0G15**	0.074
				Green	**ZB4 BW0G35**	0.074
				Red	**ZB4 BW0G45**	0.074
				Orange	**ZB4 BW0G55**	0.074
				Blue	**ZB4 BW0G65**	0.074

Other versions Complete bodies with Faston connector terminals (6.35 or 2 x 2.8).
Please consult your Regional Sales Office.

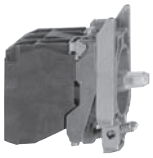
(1) Can be fitted with additional contact blocks: see page 44.

Control and signalling units Ø 22

Harmony® XB4, metal

Body/contact assemblies + light blocks with integral LED

To combine with:
heads, see pages 23 to 39
contacts, see page 44



ZB4 BW0●●3

Complete body/contact assemblies and light blocks *(1) (continued)*
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Light source	Supply voltage V	Type of contact N/O	Type of contact N/C	Colour of light source	Reference	Weight kg
Direct supply *(continued)*						
Integral LED Protected LED	∿ 230…240 (50/60 Hz)	1	–	White	**ZB4 BW0M11**	0.064
				Green	**ZB4 BW0M31**	0.064
				Red	**ZB4 BW0M41**	0.064
				Orange	**ZB4 BW0M51**	0.064
				Blue	**ZB4 BW0M61**	0.064
		–	1	White	**ZB4 BW0M12**	0.064
				Green	**ZB4 BW0M32**	0.064
				Red	**ZB4 BW0M42**	0.064
				Orange	**ZB4 BW0M52**	0.064
				Blue	**ZB4 BW0M62**	0.064
		2	–	White	**ZB4 BW0M13**	0.074
				Green	**ZB4 BW0M33**	0.074
				Red	**ZB4 BW0M43**	0.074
				Orange	**ZB4 BW0M53**	0.074
				Blue	**ZB4 BW0M63**	0.074
		1	1	White	**ZB4 BW0M15**	0.074
				Green	**ZB4 BW0M35**	0.074
				Red	**ZB4 BW0M45**	0.074
				Orange	**ZB4 BW0M55**	0.074
				Blue	**ZB4 BW0M65**	0.074

Other versions Complete bodies with Faston connector terminals (6.35 or 2 x 2.8).
Please consult your Regional Sales Office.

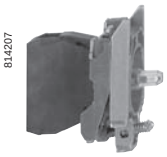
(1) Can be fitted with additional contact blocks: see page 44.

Control and signalling units Ø 22

Harmony® XB4, metal

Body/light assemblies for pilot lights with integral LED

To combine with:
heads, see page 40
contacts, see page 44



814207

ZB4 BV●●

Complete light bodies (fixing collar + light block with integral LED)
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Light source	Supply voltage V	Colour of light source	Reference	Weight kg
Integral LED Protected LED	⎓ 12 (50/60 Hz)	White	**ZB4 BVJ1**	0.054
		Green	**ZB4 BVJ3**	0.054
		Red	**ZB4 BVJ4**	0.054
		Orange	**ZB4 BVJ5**	0.054
		Blue	**ZB4 BVJ6**	0.054
	⎓ 24 *(1)* (50/60 Hz)	White	**ZB4 BVB1**	0.054
		Green	**ZB4 BVB3**	0.054
		Red	**ZB4 BVB4**	0.054
		Orange	**ZB4 BVB5**	0.054
		Blue	**ZB4 BVB6**	0.054
	⎓24…120 (50/60 Hz)	White	**ZB4 BVBG1**	0.054
		Green	**ZB4 BVBG3**	0.054
		Red	**ZB4 BVBG4**	0.054
		Orange	**ZB4 BVBG5**	0.054
		Blue	**ZB4 BVBG6**	0.054
	∿ 110...120 *(1)* (50/60 Hz)	White	**ZB4 BVG1**	0.054
		Green	**ZB4 BVG3**	0.054
		Red	**ZB4 BVG4**	0.054
		Orange	**ZB4 BVG5**	0.054
		Blue	**ZB4 BVG6**	0.054
	∿ 230…240 *(1)* (50/60 Hz)	White	**ZB4 BVM1**	0.054
		Green	**ZB4 BVM3**	0.054
		Red	**ZB4 BVM4**	0.054
		Orange	**ZB4 BVM5**	0.054
		Blue	**ZB4 BVM6**	0.054

(1) Complete bodies with Faston connector terminals (6.35 or 2 x 2.8), see page 48.

Control and signalling units Ø 22

Harmony® XB4, metal

Body/light assemblies for pilot lights with integral LED

To combine with:
heads, see page 40
contacts, see page 44

522069

ZB4 BVB●156

Complete light bodies with 3-terminal "test" function
(fixing collar + light block with integral LED + pre-wired block for "test light" function)
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Light source	Supply voltage V	Colour of light source	Reference	Weight kg
Integral LED Protected LED	⎓ 24 *(1)* (50/60 Hz)	White	**ZB4 BVB1156**	0.054
		Green	**ZB4 BVB3156**	0.054
		Red	**ZB4 BVB4156**	0.054
		Orange	**ZB4 BVB5156**	0.054
		Blue	**ZB4 BVB6156**	0.054

Complete bodies with flashing pilot light (fixing collar + light block with integral LED)
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Light source	Supply voltage V	Colour of light source	Reference	Weight kg
Integral LED Protected LED	⎓ 24 (50/60 Hz)	White	**ZB4 BV18B1**	0.054
		Green	**ZB4 BV18B3**	0.054
		Red	**ZB4 BV18B4**	0.054
		Orange	**ZB4 BV18B5**	0.054
		Blue	**ZB4 BV18B6**	0.054
	∼ 110…120 (50/60 Hz)	White	**ZB4 BV18G1**	0.054
		Green	**ZB4 BV18G3**	0.054
		Red	**ZB4 BV18G4**	0.054
		Orange	**ZB4 BV18G5**	0.054
		Blue	**ZB4 BV18G6**	0.054
	∼ 230…240 (50/60 Hz)	White	**ZB4 BV18M1**	0.054
		Green	**ZB4 BV18M3**	0.054
		Red	**ZB4 BV18M4**	0.054
		Orange	**ZB4 BV18M5**	0.054
		Blue	**ZB4 BV18M6**	0.054

*(1) For a ∼ 120 or 230 V supply, use complete body **ZB4 BVG●** or **ZB4 BVM●** with block for "test light" function type **ZBZ M156**, see page 40 and 45.*

Control and signalling units Ø 22

Harmony® XB4, metal

Body/contact assemblies + light blocks with BA 9s base fitting

To combine with:
heads, see page 25
contacts, see page 44

ZB4 BW06●

ZB4 BW0●5

Complete body/contact assemblies and light blocks *(1)*
For bulb with BA 9s base fitting (incandescent, neon or LED)
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Light source	Supply voltage V	Type of contact N/O	Type of contact N/C	Colour of light source	Reference	Weight kg
Direct supply						
BA9s base fitting bulb, 2.4 W max, not included *(2)*	≤ 250	1	–	–	**ZB4 BW061**	0.063
		–	1	–	**ZB4 BW062**	0.063
		2	–	–	**ZB4 BW063**	0.073
		1	1	–	**ZB4 BW065**	0.073
Supply via integral transformer (1.2 VA, 6 V secondary)						
BA9s base fitting incandescent bulb, included	∼ 110…120 50/60 Hz	1	–	–	**ZB4 BW031**	0.141
		1	1	–	**ZB4 BW035**	0.151
	∼ 230 50 Hz ∼ 220…240 60 Hz	1	–	–	**ZB4 BW041**	0.141
		1	1	–	**ZB4 BW045**	0.151
	∼ 400 50 Hz	1	–	–	**ZB4 BW051**	0.141
		1	1	–	**ZB4 BW055**	0.151
BA9s base fitting LED, included	∼ 110…120 50/60 Hz	1	1	White	**ZB4 BW03D15**	0.151
				Green	**ZB4 BW03D35**	0.151
				Red	**ZB4 BW03D45**	0.151
				Orange	**ZB4 BW03D55**	0.151
				Blue	**ZB4 BW03D65**	0.151
	∼ 230 50 Hz ∼ 220…240 60 Hz	1	1	White	**ZB4 BW04D15**	0.151
				Green	**ZB4 BW04D35**	0.151
				Red	**ZB4 BW04D45**	0.151
				Orange	**ZB4 BW04D55**	0.151
				Blue	**ZB4 BW04D65**	0.151
	∼ 400 50/60 Hz	1	1	White	**ZB4 BW05D15**	0.152
				Green	**ZB4 BW05D35**	0.152
				Red	**ZB4 BW05D45**	0.152
				Orange	**ZB4 BW05D55**	0.152
				Blue	**ZB4 BW05D65**	0.152
Other versions	Complete bodies with integral transformer incorporating Faston connector terminals (6.35 or 2 x 2.8). Please consult your Regional Sales Office.					

(1) Can be fitted with additional contact blocks: see page 44.
(2) Bulb to be ordered separately: see page 66.

Control and signalling units Ø 22

Harmony® XB4, metal

Light bodies for pilot lights with BA 9s base fitting

To combine with:
heads, see page 41
contacts, see page 44

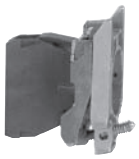
Light blocks

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Description	Supply voltage V	Sold in lots of	Unit reference	Weight kg
Direct supply for BA 9s base fitting bulb, 2.4 W max., not included *(1)*	≤ 250	5	**ZBV 6**	0.016

Complete light bodies (fixing collar + light block)

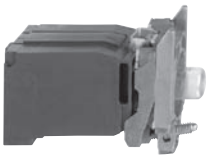
For bulb with BA 9s base fitting (incandescent, neon or LED)
Screw clamp terminal connections (Schneider Electric anti-retightening system)



814210

ZB4 BV6

Light source	Supply voltage V	Colour of light source	Reference	Weight kg
Direct supply				
BA 9s base fitting bulb, 2.4 W max, not included *(1)*	≤ 250	–	**ZB4 BV6**	0.052
Supply via integral transformer (1.2 VA, 6 V secondary)				
BA 9s base fitting incandescent bulb, included	∿ 110…120 -50/60 Hz	–	**ZB4 BV3**	0.130
	∿ 230 - 50 Hz ∿ 220…240 - 60 Hz	–	**ZB4 BV4**	0.130
	∿ 400 - 50 Hz	–	**ZB4 BV5**	0.131
	∿ 440…480 - 60 Hz	–	**ZB4 BV8**	0.128
	∿ 550…600 - 60 Hz	–	**ZB4 BV9**	0.131
BA 9s base fitting LED, included	∿ 110…120 - 50/60 Hz	White	**ZB4 BV3D1**	0.134
		Green	**ZB4 BV3D3**	0.134
		Red	**ZB4 BV3D4**	0.134
		Orange	**ZB4 BV3D5**	0.134
		Blue	**ZB4 BV3D6**	0.134
	∿ 230 - 50 Hz ∿ 220…240 - 60 Hz	White	**ZB4 BV4D1**	0.134
		Green	**ZB4 BV4D3**	0.134
		Red	**ZB4 BV4D4**	0.134
		Orange	**ZB4 BV4D5**	0.134
		Blue	**ZB4 BV4D6**	0.134
	∿ 400 - 50/60 Hz	White	**ZB4 BV5D1**	0.134
		Green	**ZB4 BV5D3**	0.134
		Red	**ZB4 BV5D4**	0.134
		Orange	**ZB4 BV5D5**	0.134
		Blue	**ZB4 BV5D6**	0.134



814211

ZB4 BV●

Complete light bodies with 3-terminal "test" function (fixing collar + light block)

For bulb with BA 9s base fitting (incandescent, neon or LED)
Screw clamp terminal connections (Schneider Electric anti-retightening system)

522070

ZB4 BV156

Direct supply				
BA 9s base fitting bulb, 2.4 W max, not included *(1)*	≤ 250	–	**ZB4 BV156**	0.062

(1) Bulb to be ordered separately, see page 66.

Other versions Complete bodies with Faston connector terminals (6.35 or 2 x 2.8), *see page* 48.

General : page 6
Characteristics : page 14
Dimensions : page 68

Control and signalling units Ø 22

Harmony® XB4 metal

Accessories for heads: caps

814292

ZBA ●

814293

ZBL ●

814294

ZBA ●33

Pushbutton caps - unmarked

For use with	Type of push	Colour	Sold in lots of	Unit reference	Weight kg
ZB4 BA0 pushbutton heads supplied without cap	Flush	White	10	**ZBA 1**	0.001
		Black	10	**ZBA 2**	0.001
		Green	10	**ZBA 3**	0.001
		Red	10	**ZBA 4**	0.001
		Yellow	10	**ZBA 5**	0.001
		Blue	10	**ZBA 6**	0.001
		6 colours *(1)*	1	**ZBA 9**	0.006
	Projecting	White	10	**ZBL 1**	0.001
		Black	10	**ZBL 2**	0.001
		Green	10	**ZBL 3**	0.001
		Red	10	**ZBL 4**	0.001
		Yellow	10	**ZBL 5**	0.001
		Blue	10	**ZBL 6**	0.001
		6 colours *(1)*	1	**ZBL 9**	0.006

Pushbutton caps - marked

For use with	Type of push	Marking Text	Marking Colour	Colour of cap	Unit reference	Weight kg
ZB4 BA0 pushbutton heads supplied without cap (sold in lots of 10)	Flush	I *(2)*	White	Green	**ZBA 331**	0.001
			Black	White	**ZBA 131**	0.001
		II	White	Green	**ZBA 336**	0.001
			Black	White	**ZBA 136**	0.001
		III	White	Green	**ZBA 337**	0.001
			Black	White	**ZBA 137**	0.001
		IV	White	Green	**ZBA 338**	0.001
			Black	White	**ZBA 138**	0.001
		START *(2)*	White	Green	**ZBA 333**	0.001
			Black	White	**ZBA 133**	0.001
		ON	White	Green	**ZBA 341**	0.001
			Black	White	**ZBA 141**	0.001
		MARCHE	White	Green	**ZBA 342**	0.001
			Black	White	**ZBA 142**	0.001
		UP *(2)*	Black	White	**ZBA 343**	0.001
		DOWN *(2)*	White	Black	**ZBA 344**	0.001
		⊤ *(2)*	White	Black	**ZBA 245**	0.001
			Black	White	**ZBA 145**	0.001
		⬆ *(3)*	White	Black	**ZBA 335**	0.001
			Black	White	**ZBA 334**	0.001
		O *(2)*	White	Red	**ZBA 432**	0.001
				Black	**ZBA 232**	0.001
		ARRET	White	Red	**ZBA 433**	0.001
				Black	**ZBA 233**	0.001
		STOP *(2)*	White	Red	**ZBA 434**	0.001
				Black	**ZBA 234**	0.001
		OFF	White	Red	**ZBA 435**	0.001
				Black	**ZBA 235**	0.001
		◇	White	Green	**ZBA 346**	0.001
		R *(2)*	White	Blue	**ZBA 639**	0.001
		+	White	Black	**ZBA 2934**	0.001
		–	White	Black	**ZBA 2935**	0.001

(1) Set of 6 different coloured caps: white, black, green, red, yellow, blue.
(2) Double injection moulded marking.
(3) Can be clipped-in at 90° steps, through 360°

General : page 6
Characteristics : page 14
Dimensions : page 68

Control and signalling units Ø 22

Harmony® XB4 metal

Accessories for heads: boots, lens caps

814334

ZBP 0

Transparent boots for pushbuttons *(1)*

Description	For use with pushbutton types	Sold in lots of	Unit reference	Weight kg
Single boots	Flush with circular head	10	**ZBP A**	0.002
	Projecting with circular head	10	**ZBP 0**	0.002
	Flush or projecting with circular head for food industry applications	10	**ZBP 0A**	0.002

Coloured boots

Description	Colour	Sold in lots of	Unit reference	Weight kg
Coloured boots (can be replaced without dismantling the head)	Black	10	**ZB2 BP012**	0.003
	Green	10	**ZB2 BP013**	0.003
	Red	10	**ZB2 BP014**	0.003
	Yellow	10	**ZB2 BP015**	0.003
	Blue	10	**ZB2 BP016**	0.003

814336

ZBV 01●3

814337

ZBV 01●

Lens caps

For use with	Colour	Sold in lots of	Unit reference	Weight kg
Lens caps for light sources with integral LED				
Pilot lights	White	10	**ZBV 0113**	0.002
	Green	10	**ZBV 0133**	0.002
	Red	10	**ZBV 0143**	0.002
	Orange	10	**ZBV 0153**	0.002
	Blue	10	**ZBV 0163**	0.002
	5 different coloured grooved lenses *(2)*	5	**ZBV 0103S**	0.010
Illuminated pushbuttons, with flush push	White	10	**ZBW 9113**	0.002
	Green	10	**ZBW 9133**	0.002
	Red	10	**ZBW 9143**	0.002
	Orange	10	**ZBW 9153**	0.002
	Blue	10	**ZBW 9163**	0.002
Illuminated pushbuttons, with projecting push	White	10	**ZBW 9313**	0.002
	Green	10	**ZBW 9333**	0.002
	Red	10	**ZBW 9343**	0.002
	Orange	10	**ZBW 9353**	0.002
	Blue	10	**ZBW 9363**	0.002
Lens caps for light sources with BA 9s base fitting				
Pilot lights	White	10	**ZBV 011**	0.002
	Green	10	**ZBV 013**	0.002
	Red	10	**ZBV 014**	0.002
	Orange	10	**ZBV 015**	0.002
	Blue	10	**ZBV 016**	0.002
	Clear	10	**ZBV 017**	0.002
Pushbuttons, illuminated, with flush push	White	10	**ZBW 911**	0.002
	Green	10	**ZBW 913**	0.002
	Red	10	**ZBW 914**	0.002
	Orange	10	**ZBW 915**	0.002
	Blue	10	**ZBW 916**	0.002
	Clear	10	**ZBW 917**	0.002
Pushbuttons, illuminated, with projecting push	White	10	**ZBW 931**	0.002
	Green	10	**ZBW 933**	0.002
	Red	10	**ZBW 934**	0.002
	Orange	10	**ZBW 935**	0.002
	Blue	10	**ZBW 936**	0.002
	Clear	10	**ZBW 937**	0.002

(1) Boots for multiple-headed pushbuttons: see page 27
(2) Clear, green, red, orange, blue.

Control and signalling units Ø 22

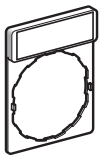
Harmony® XB4 metal

8 x 27 mm legends with 30 x 40 mm legend holders

814295

ZBZ 32

814296



ZBY ●101

814297

ZBY 2107

Standard (30 x 40 mm) legend holders for 8 x 27 mm legends(1)

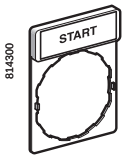
Description	Legend Colour	Legend Marking	Sold in lots of	Unit reference	Weight kg
Without legend	–	–	10	**ZBZ 32**	0.001
With blank legend (for engraving)	Black or red background	–	10	**ZBY 2101**	0.002
	White or yellow background	–	10	**ZBY 4101**	0.002
With 8 x 27 mm legend (with International marking)	Black or red background (2)	O (black background)	1	**ZBY 2146**	0.002
		O (red background)	1	**ZBY 2931**	0.002
		I	1	**ZBY 2147**	0.002
		II	1	**ZBY 2148**	0.002
		O-I	1	**ZBY 2178**	0.002
		I-II	1	**ZBY 2179**	0.002
		I-O-II	1	**ZBY 2186**	0.002
		AUTO	1	**ZBY 2115**	0.002
		STOP	1	**ZBY 2304**	0.002
With 8 x 27 mm legend (with French language marking)	Black or red background (2)	ARRET (red background)	1	**ZBY 2104**	0.002
		ARRET (black background)	1	**ZBY 0104**	0.002
		ARRET GENERAL	1	**ZBY 2129**	0.002
		ARRET REARMEMENT	1	**ZBY 2133**	0.002
		ARRET-MARCHE	1	**ZBY 2166**	0.002
		ARRIERE	1	**ZBY 2106**	0.002
		AUTO CYCLE-CYCLE	1	**ZBY 2198**	0.002
		AUTO CYCLE-MAIN	1	**ZBY 2199**	0.002
		AUTO-MAIN	1	**ZBY 2164**	0.002
		AUTO-O-MAIN	1	**ZBY 2185**	0.002
		AVANT	1	**ZBY 2105**	0.002
		AVANT-O-ARRIERE	1	**ZBY 2184**	0.002
		C-P-C-NORMAL	1	**ZBY 2165**	0.002
		CYCLE-MAIN	1	**ZBY 2197**	0.002
		DECLENCHEMENT	1	**ZBY 2132**	0.002
		DEFAUT (black background)	1	**ZBY 2134**	0.002
		DEFAUT (red background)	1	**ZBY 2135**	0.002
		DEPART CYCLE	1	**ZBY 2195**	0.002
		DESCENTE	1	**ZBY 2108**	0.002
		DROITE	1	**ZBY 2109**	0.002
		ENCLENCHEMENT	1	**ZBY 2131**	0.002
		EN SERVICE	1	**ZBY 2111**	0.002
		FERMETURE	1	**ZBY 2114**	0.002
		GAUCHE	1	**ZBY 2110**	0.002
		HORS SERVICE	1	**ZBY 2112**	0.002
		HORS-EN	1	**ZBY 2167**	0.002
		LENT	1	**ZBY 2127**	0.002
		MAIN	1	**ZBY 2116**	0.002
		MARCHE	1	**ZBY 2103**	0.002
		MONTEE	1	**ZBY 2107**	0.002
		OUVERTURE	1	**ZBY 2113**	0.002
		PHASE / PHASE	1	**ZBY 2196**	0.002
		REARMEMENT (red background)	1	**ZBY 2123**	0.002
		REARMEMENT (black background)	1	**ZBY 0123**	0.002
		SOUS TENSION	1	**ZBY 2126**	0.002
		VITE	1	**ZBY 2128**	0.002
	Yellow background	ARRET D'URGENCE	1	**ZBY 2130**	0.002

(1) For legends, see pages 60 to 62.
(2) "Start" functions: white letters on black background. "Stop" functions: white letters on red background (unless otherwise specified above).

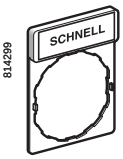
Control and signalling units Ø 22

Harmony® XB4 metal

8 x 27 mm legends with 30 x 40 mm legend holders



ZBY 2303



ZBY 2228

Standard (30 x 40 mm) legend holders with 8 x 27 mm legends (continued)

Description	Legend		Reference	Weight kg
	Colour	Marking		
With legend (with English language marking)	Black or red background *(1)*	AUTO-HAND	**ZBY 2364**	0.002
		AUTO-O-HAND	**ZBY 2385**	0.002
		CLOSE	**ZBY 2314**	0.002
		DOWN	**ZBY 2308**	0.002
		FAST	**ZBY 2328**	0.002
		FORWARD	**ZBY 2305**	0.002
		HAND	**ZBY 2316**	0.002
		HAND-OFF-AUTO	**ZBY 2387**	0.002
		INCH	**ZBY 2321**	0.002
		LEFT	**ZBY 2310**	0.002
		OFF	**ZBY 2312**	0.002
		OFF-ON	**ZBY 2367**	0.002
		ON	**ZBY 2311**	0.002
		OPEN	**ZBY 2313**	0.002
		POWER ON	**ZBY 2326**	0.002
		RESET (red background)	**ZBY 2323**	0.002
		RESET (black background)	**ZBY 2322**	0.002
		REVERSE	**ZBY 2306**	0.002
		RIGHT	**ZBY 2309**	0.002
		RUN	**ZBY 2334**	0.002
		SLOW	**ZBY 2327**	0.002
		START	**ZBY 2303**	0.002
		STOP-START	**ZBY 2366**	0.002
		UP	**ZBY 2307**	0.002
	Yellow background	EMERGENCY STOP	**ZBY 2330**	0.002
With legend (with German language marking)	Black or red background *(1)*	AB	**ZBY 2208**	0.002
		AUF	**ZBY 2207**	0.002
		AUS	**ZBY 2204**	0.002
		AUS-EIN	**ZBY 2266**	0.002
		AUS-IN BETRIEB	**ZBY 2267**	0.002
		AUS-RÜCKSTELLUNG	**ZBY 2233**	0.002
		AUSSCHALTEN	**ZBY 2232**	0.002
		AUTO-HAND	**ZBY 2364**	0.002
		AUTO-O-HAND	**ZBY 2385**	0.002
		AUTOZYKL-HAND	**ZBY 2299**	0.002
		AUTOZYKL- 1 ZYKL	**ZBY 2298**	0.002
		C-P-C-NORMAL	**ZBY 2265**	0.002
		EIN	**ZBY 2203**	0.002
		EINSCHALTEN	**ZBY 2231**	0.002
		HAND	**ZBY 2316**	0.002
		LANGSAM	**ZBY 2227**	0.002
		LINKS	**ZBY 2210**	0.002
		NOT-AUS (red background)	**ZBY 2230**	0.002
		NOT-HALT	**ZBY 2229**	0.002
		ÖFFNEN	**ZBY 2213**	0.002
		RECHTS	**ZBY 2209**	0.002
		RÜCKSTELLUNG	**ZBY 2223**	0.002
		SCHLIESSEN	**ZBY 2214**	0.002
		SCHNELL	**ZBY 2228**	0.002
		SPANNUNG EIN	**ZBY 2226**	0.002
		STEUERUNG AUS	**ZBY 2212**	0.002
		STEUERUNG EIN	**ZBY 2211**	0.002
		STÖRUNG (black background)	**ZBY 2234**	0.002
		STÖRUNG (red background)	**ZBY 2235**	0.002
		VOR	**ZBY 2205**	0.002
		VOR-O-ZURÜCK	**ZBY 2284**	0.002
		ZURÜCK	**ZBY 2206**	0.002
		ZYKLUS-HAND	**ZBY 2297**	0.002
		ZYKLUSSTART	**ZBY 2295**	0.002
	Yellow background	NOT-AUS	**ZBY 22420001**	0.002

(1) "Start" functions: white letters on black background. "Stop" functions: white letters on red background (unless otherwise specified above).

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Control and signalling units Ø 22

Harmony® XB4 metal

Legends 8 x 27 mm

814310

ZBY 02178

814311

ZBY 0●104

8 x 27 mm marked legends (for 30 x 40 mm legend holders ZBZ 32 and ZBZ 34)

Colour	Marking		Reference	Weight kg
Black or red background *(1)*	International	O (black background)	**ZBY 02146**	0.001
		O (red background)	**ZBY 02931**	0.001
		I	**ZBY 02147**	0.001
		II	**ZBY 02148**	0.001
		O-I	**ZBY 02178**	0.001
		I-II	**ZBY 02179**	0.001
		I-O-II	**ZBY 02186**	0.001
		AUTO	**ZBY 02115**	0.001
		STOP	**ZBY 02304**	0.001
	French	ARRET (red background)	**ZBY 02104**	0.001
		ARRET (black background)	**ZBY 00104**	0.001
		ARRET GENERAL	**ZBY 02129**	0.001
		ARRET REARMEMENT	**ZBY 02133**	0.001
		ARRET-MARCHE	**ZBY 02166**	0.001
		ARRIERE	**ZBY 02106**	0.001
		AUTO CYCLE-CYCLE	**ZBY 02198**	0.001
		AUTO CYCLE-MAIN	**ZBY 02199**	0.001
		AUTO-MAIN	**ZBY 02164**	0.001
		AUTO-O-MAIN	**ZBY 02185**	0.001
		AVANT	**ZBY 02105**	0.001
		AVANT-O-ARRIERE	**ZBY 02184**	0.001
		C-P-C-NORMAL	**ZBY 02165**	0.001
		CYCLE-MAIN	**ZBY 02197**	0.001
		DECLENCHEMENT	**ZBY 02132**	0.001
		DEFAUT (black background)	**ZBY 02134**	0.001
		DEFAUT (red background)	**ZBY 02135**	0.001
		DEPART CYCLE	**ZBY 02195**	0.001
		DESCENTE	**ZBY 02108**	0.001
		DROITE	**ZBY 02109**	0.001
		ENCLENCHEMENT	**ZBY 02131**	0.001
		EN SERVICE	**ZBY 02111**	0.001
		FERMETURE	**ZBY 02114**	0.001
		GAUCHE	**ZBY 02110**	0.001
		HORS SERVICE	**ZBY 02112**	0.001
		HORS-EN	**ZBY 02167**	0.001
		LENT	**ZBY 02127**	0.001
		MAIN	**ZBY 02116**	0.001
		MARCHE	**ZBY 02103**	0.001
		MONTEE	**ZBY 02107**	0.001
		OUVERTURE	**ZBY 02113**	0.001
		PHASE / PHASE	**ZBY 02196**	0.001
		REARMEMENT (red background)	**ZBY 02123**	0.001
		REARMEMENT (black background)	**ZBY 00123**	0.001
		SOUS TENSION	**ZBY 02126**	0.001
		VITE	**ZBY 02128**	0.001
Yellow background	French	ARRET D'URGENCE	**ZBY 02130**	0.001

(1) "Start" functions: white letters on black background. "Stop" functions: white letters on red background (unless otherwise specified above).

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Schneider Electric

Control and signalling units Ø 22

Harmony® XB4 metal

Legends 8 x 27 mm

814313

ZBY 02303

814314

ZBY 02228

8 x 27 mm marked legends (for 30 x 40 mm legend holders ZBZ 32 and ZBZ 34) (continued)

Colour	Marking		Reference	Weight kg
Black or red background *(1)*	English	AUTO-HAND	**ZBY 02364**	0.001
		AUTO-O-HAND	**ZBY 02385**	0.001
		CLOSE	**ZBY 02314**	0.001
		DOWN	**ZBY 02308**	0.001
		EMERGENCY STOP	**ZBY 02330**	0.001
		FAST	**ZBY 02328**	0.001
		FORWARD	**ZBY 02305**	0.001
		HAND	**ZBY 02316**	0.001
		HAND-OFF-AUTO	**ZBY 02387**	0.001
		INCH	**ZBY 02321**	0.001
		LEFT	**ZBY 02310**	0.001
		OFF	**ZBY 02312**	0.001
		OFF-ON	**ZBY 02367**	0.001
		ON	**ZBY 02311**	0.001
		OPEN	**ZBY 02313**	0.001
		POWER ON	**ZBY 02326**	0.001
		RESET (red background)	**ZBY 02323**	0.001
		RESET (black background)	**ZBY 02322**	0.001
		REVERSE	**ZBY 02306**	0.001
		RIGHT	**ZBY 02309**	0.001
		RUN	**ZBY 02334**	0.001
		SLOW	**ZBY 02327**	0.001
		START	**ZBY 02303**	0.001
		STOP-START	**ZBY 02366**	0.001
		UP	**ZBY 02307**	0.001
	German	AB	**ZBY 02208**	0.001
		AUF	**ZBY 02207**	0.001
		AUS	**ZBY 02204**	0.001
		AUS-EIN	**ZBY 02266**	0.001
		AUS-IN BETRIEB	**ZBY 02267**	0.001
		AUS-RÜCKSTELLUNG	**ZBY 02233**	0.001
		AUSSCHALTEN	**ZBY 02232**	0.001
		AUTO-HAND	**ZBY 02364**	0.001
		AUTO-O-HAND	**ZBY 02385**	0.001
		AUTOZYKL-HAND	**ZBY 02299**	0.001
		AUTOZYKL- 1 ZYKL	**ZBY 02298**	0.001
		C-P-C-NORMAL	**ZBY 02265**	0.001
		EIN	**ZBY 02203**	0.001
		EINSCHALTEN	**ZBY 02231**	0.001
		HAND	**ZBY 02316**	0.001
		LANGSAM	**ZBY 02227**	0.001
		LINKS	**ZBY 02210**	0.001
		NOT-AUS (red background)	**ZBY 02230**	0.001
		NOT-HALT	**ZBY 02229**	0.001
		ÖFFNEN	**ZBY 02213**	0.001
		RECHTS	**ZBY 02209**	0.001
		RÜCKSTELLUNG	**ZBY 02223**	0.001
		SCHLIESSEN	**ZBY 02214**	0.001
		SCHNELL	**ZBY 02228**	0.001
		SPANNUNG EIN	**ZBY 02226**	0.001
		STEUERUNG AUS	**ZBY 02212**	0.001
		STEUERUNG EIN	**ZBY 02211**	0.001
		STÖRUNG (black background)	**ZBY 02234**	0.001
		STÖRUNG (red background)	**ZBY 02235**	0.001
		VOR	**ZBY 02205**	0.001
		VOR-O-ZURÜCK	**ZBY 02284**	0.001
		ZURÜCK	**ZBY 02206**	0.001
		ZYKLUS-HAND	**ZBY 02297**	0.001
		ZYKLUSSTART	**ZBY 02295**	0.001
Yellow background	English	EMERGENCY STOP	**ZBY 02330**	0.001
	German	NOT-AUS	**ZBY 022420001**	0.001

(1) "Start" functions: white letters on black background. "Stop" functions: white letters on red background (unless otherwise specified above).

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Control and signalling units Ø 22

Harmony® XB4 metal

Legend holders for 8 x 27 or 18 x 27 mm legends for engraving or printing

814302

ZBZ 34

814303

ZBY ●H101

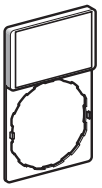
30 x 40 mm legend holder (flush mounting with bezel) for 8 x 27 mm legends

Description	Colour	Sold in lots of	Unit reference	Weight kg
Without legend	–	10	**ZBZ 34**	0.003
With blank legend	Black or red background	10	**ZBY 2H101**	0.004
	White or yellow background	10	**ZBY 4H101**	0.004

814304

ZBZ 33

814305



ZBY 610●

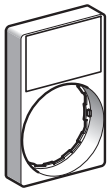
Standard (30 x 50 mm) legend holders for 18 x 27 mm legends

Description	Colour	Sold in lots of	Unit reference	Weight kg
Without legend	–	10	**ZBZ 33**	0.001
With blank legend	Black or red background	10	**ZBY 6101**	0.002
	White or yellow background	10	**ZBY 6102**	0.002

814306

ZBZ 35

814307

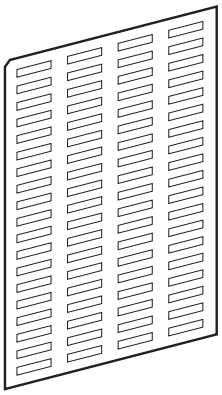


ZBY 6H10●

30 x 50 mm legend holder (flush mounting with bezel) for 18 x 27 mm legends

Description	Colour	Sold in lots of	Unit reference	Weight kg
Without legend	–	10	**ZBZ 35**	0.003
With blank legend	Black or red background	10	**ZBY 6H101**	0.004
	White or yellow background	10	**ZBY 6H102**	0.004

814309



ZBY 4100

Legends for engraving

Description mm	For use with	Colour	Sold in lots of	Unit reference	Weight kg
8 x 27	30 x 40 mm legend holder	Black or red background	10	**ZBY 0101**	0.001
		White or yellow background	10	**ZBY 0102**	0.001
18 x 27	30 x 50 mm legend holder	Black or red background	10	**ZBY 5101**	0.001
		White or yellow background	10	**ZBY 5102**	0.001

Sheets of peel-off legends (with backing board and protective transparent cover)

Description	For use with	Sold in lots of	Unit reference	Weight kg
Sheet of 76 legends 8 x 27 mm	30 x 40 mm legend holder ZBZ 32 and ZBZ 34	10	**ZBY 4100**	0.043
Sheet of 40 legends 18 x 27 mm	30 x 50 mm legend holder ZBZ 33 and ZBZ 35	10	**ZBY 5100**	0.044

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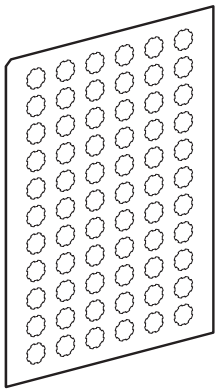
Schneider Electric

Control and signalling units Ø 22

Harmony® XB4 metal

Legends, for printing, pre-printed, labelling software

814316



ZBY 1101

Legends for XB4 B pushbuttons, illuminated pushbuttons and pilot lights					
Description	**Marking**		**Sold in lots of**	**Unit reference**	**Weight kg**
Sheets of 66 circular peel-off, transparent, self-adhesive legends	Without		10	**ZBY 1101**	0.017
Strips of 66 circular peel-off, transparent , self-adhesive legends	International	O	10	**ZBY 1146**	0.017
		I	10	**ZBY 1147**	0.017
		II	10	**ZBY 1148**	0.017
		III	10	**ZBY 1149**	0.017
		STOP	10	**ZBY 1304**	0.017
		⬆	10	**ZBY 1912**	0.017
	French	ARRET	10	**ZBY 1104**	0.017
		ARRIERE	10	**ZBY 1106**	0.017
		AUTO	10	**ZBY 1115**	0.017
		AVANT	10	**ZBY 1105**	0.017
		DESCENTE	10	**ZBY 1108**	0.017
		MAIN	10	**ZBY 1116**	0.017
		MARCHE	10	**ZBY 1103**	0.017
		MONTEE	10	**ZBY 1107**	0.017
	English	HAND	10	**ZBY 1316**	0.017
		OFF	10	**ZBY 1312**	0.017
		ON	10	**ZBY 1311**	0.017
		START	10	**ZBY 1303**	0.017
	German	AB	10	**ZBY 1208**	0.017
		AUF	10	**ZBY 1207**	0.017
		AUS	10	**ZBY 1204**	0.017
		EIN	10	**ZBY 1203**	0.017
		ZU	10	**ZBY 1214**	0.017

540548

XBY 2U

"SIS Label" labelling software			
Application	**For use with**	**Reference**	**Weight kg**
Legend design for English, French, German, Italian, Spanish	ZBY 1101, ZBY 001 ZBY 0101 and ZBY 0102 ZBY 5101 and ZBY 5102	**XBY 2U**	0.100

539640

ZBY 9130

Circular, yellow legends for mushroom head pushbuttons				
Used for "Emergency stop" function				
Diameter mm	**Conforming to standards**	**Marking on yellow background**	**Reference**	**Weight kg**
60	EN/IEC 60204-1 and EN/ISO 13850:2006	–	**ZBY 9140** n	0.004
		ARRET D'URGENCE	**ZBY 9130** n	0.004
		EMERGENCY STOP	**ZBY 9330** n	0.004
		NOT-HALT	**ZBY 9230** n	0.004
		PARADA DE EMERGENCIA	**ZBY 9430** n	0.004
		ARRESTO DE EMERGENZA	**ZBY 9630** n	0.004
90	EN/IEC 60204-1 and EN/ISO 13850:2006	–	**ZBY 8140** n	0.008
		ARRET D'URGENCE	**ZBY 8130** n	0.008
		EMERGENCY STOP	**ZBY 8330** n	0.008
		NOT-HALT	**ZBY 8230** n	0.008
		PARADA DE EMERGENCIA	**ZBY 8430** n	0.008
		ARRESTO DE EMERGENZA	**ZBY 8630** n	0.008
Used for "Emergency switching off" function				
60	EN/IEC 60204-1	–	**ZBY 9101**	0.004
		COUPURE D'URGENCE	**ZBY 9160**	0.004
		EMERGENCY SWITCHING OFF	**ZBY 9360**	0.004
		NOT-AUS	**ZBY 9260**	0.004
		DESCONEXION DE EMERGENCIA	**ZBY 9460**	0.004
		INTERRUZIONE DI EMERGENZA	**ZBY 9660**	0.004
90	EN/IEC 60204-1	–	**ZBY 8101**	0.008
		COUPURE D'URGENCE	**ZBY 8160**	0.008
		EMERGENCY SWITCHING OFF	**ZBY 8360**	0.008
		NOT-AUS	**ZBY 8260**	0.008
		DESCONEXION DE EMERGENCIA	**ZBY 8460**	0.008
		INTERRUZIONE DI EMERGENZA	**ZBY 8660**	0.008

539642

ZBY 9160

n New

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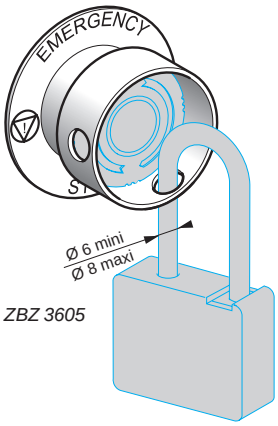
Control and signalling units Ø 22

Harmony® XB4 metal

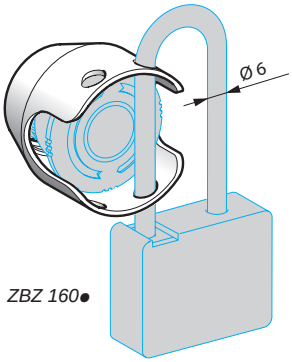
Accessories for pushbuttons



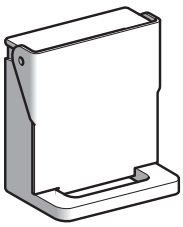
ZBZ 3605

ZBY 9130T

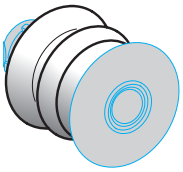
ZBY 9160T



ZBZ 160●



ZB4 BZ64



ZBZ ●8

Accessories for mushroom head pushbuttons

Used for "Emergency stop" *(1)* or "Emergency switching off" function *(2)*

Description	For use with	Colour	Reference	Weight kg
Padlocking kit *(3) (4)* (padlockable)	Emergency stop *(1)* and Emergency switching off function *(2)*, only with the following Ø 40 trigger action pushbuttons: XB4 BS844●, XB4 BS9445, ZB4 BS844, ZB4 BS944.	Yellow	**ZBZ 3605**	0.045

Description	Marking	Colour	Reference	Weight kg
Ø 60 mm legend for padlocking device ZBZ 3605 For Emergency stop function*(1)*	Without	Yellow	**ZBY 9140T**	0.004
	ARRET D'URGENCE	Yellow	**ZBY 9130T**	0.004
	EMERGENCY STOP	Yellow	**ZBY 9330T**	0.004
	NOT-HALT	Yellow	**ZBY 9230T**	0.004
Ø 60 mm legend for padlocking device ZBZ 3605 For Emergency switching off function *(2)*	Without	Yellow	**ZBY 9101T**	0.004
	COUPURE D'URGENCE	Yellow	**ZBY 9160T**	0.004
	EMERGENCY SWITCHING OFF	Yellow	**ZBY 9360T**	0.004
	NOT-AUS	Yellow	**ZBY 9260T**	0.004
Metal guards Padlockable *(4)*	Emergency stop function *(1)*, only with the following Ø 40 trigger action pushbuttons; XB4 BT845, XB4 BS844●, XB4 BS9445, ZB4 BT84, ZB4 BS844, ZB4 BS944.	Chromium plated	**ZBZ 1600**	0.046
		Black	**ZBZ 1602**	0.046
		Red	**ZBZ 1604**	0.046
		Blue	**ZBZ 1606**	0.046

Other accessories

Description	For use with	Colour	Reference	Weight kg
Plastic guard	Selector switches and key switches	Black	**ZBZ 2102**	0.005
Padlockable flaps	Pushbuttons	Black	**ZB4 BZ62**	0.076
		Red	**ZB4 BZ64**	0.076
		Yellow	**ZB4 BZ65**	0.076
		Blue	**ZB4 BZ66**	0.076

Description	Application	Material	Colour	Sold in lots of	Unit reference	Weight kg
Bellows seals for harsh environments (IP 69K) *(5)*	Environments subject to humidity, dust, high-pressure cleaning etc…	Silicone	Red	2	**ZBZ 48**	0.009
			Black	2	**ZBZ 28**	0.009
		EPDM	Yellow	2	**ZBZ 58**	0.009

(1) Ensures conformity with standards EN/IEC 60204-1 and EN/ISO 13850:2006.
(2) Ensures conformity with standard EN/IEC 60204-1.
*(3) Standard circular legends are not compatible with this product. Use special legends **ZBY 9●●●T**.*
(4) No isolation function is possible when this guard is fitted.
*(5) Only when mounted on control stations. Use special legends **ZBY 9●●●T**.*

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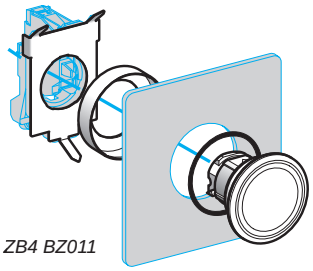
Control and signalling units Ø 22

Harmony® XB4 metal

Accessories for pushbuttons

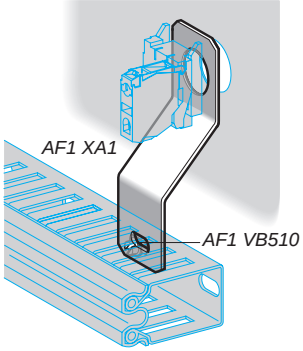
ZB5 SZ3



ZB4 BZ011

Other accessories *(continued)*

Description	For use with	Colour	Sold in lots of	Unit reference	Weight kg
Metal circular blanking plug *(1)*	Ø 22 control and signalling units	Chromium plated	10	**ZB4 SZ3**	0.023
		Black	10	**ZB4 SZ37**	0.023
Black plastic circular blanking plug (with fixing nut)	Ø 22 control and signalling units	Black	10	**ZB5 SZ3**	0.009
Liquid spray protective washer to be fitted under the head	Ø 22 control and signalling units	Chromium plated	50	**ZB4 BZ007**	0.010
		Black	50	**ZB4 BZ0077**	0.010
Flush mounting kit	Pushbutton ZB4 B● with head mounted flush with bezel	Chromium plated		**ZB4 BZ011**	0.007
		Black		**ZB4 BZ0117**	0.007



Description	Application	Sold in lots of	Unit reference	Weight kg
Cable ducting support	Fixing beneath head	10	**AF1 XA1**	0.030
M5 x 10 screw, with hexagonal slotted head	For fixing cable ducting	100	**AF1 VB510**	0.003
Support	For XB 4B pushbuttons, switches and pilot lights	1	**DX1 AP52**	0.160

*(1) Body/fixing collar **ZB4 BZ009** required for mounting must be ordered separately, see page 47.*

Control and signalling units Ø 22

Harmony® XB4 metal

Accessories for illuminated pushbuttons: bulbs

DL1 CJ0●●●

DL1 CE●●●

DL1 CF●●●

XBF X13

ZBZ 8

Bulbs with BA 9s base fitting and associated accessories

Description	Characteristics	Colour	Sold in lots of	Reference unit	Weight kg
LEDs	≂ 24 V	White	1	**DL1 CJ0241**	0.002
		Green	1	**DL1 CJ0243**	0.002
		Red	1	**DL1 CJ0244**	0.002
		Orange	1	**DL1 CJ0245**	0.002
		Blue	1	**DL1 CJ0246**	0.002
	≂ 48 V	Green	1	**DL1 CJ0483**	0.002
		Red	1	**DL1 CJ0484**	0.002
		Orange	1	**DL1 CJ0485**	0.002
	6 V - 1.2 W	White	1	**DL1 CD0061**	0.002
		Green	1	**DL1 CD0063**	0.002
		Red	1	**DL1 CD0064**	0.002
		Orange	1	**DL1 CD0065**	0.002
		Blue	1	**DL1 CD0066**	0.002
Incandescent bulbs	6 V - 1.2 W	–	10	**DL1 CB006**	0.002
	24 V - 2 W	–	10	**DL1 CE024**	0.002
	120…130 V 2.4 W	–	10	**DL1 CE130**	0.002
Neon bulbs	120…130 V	–	10	**DL1 CF110**	0.002
	230…240 V	–	10	**DL1 CF220**	0.002
Bulb extractor	–	–	1	**XBF X13**	0.005
Lens cap tightening tool	Illuminated pushbuttons, with flush push	–	1	**ZBZ 8**	0.009

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Dimensions : page 68

Schneider Electric

Control and signalling units Ø 22

Harmony® XB4 metal

Accessories for pushbuttons: keys

ZBG 455P

Replacement keys

Description	Key number	Reference	Weight kg
For latching mushroom head pushbuttons and selector switches			
Sets of 2 keys	455	**ZBG 455**	0.013
	421E	**ZBG 421E**	0.014
	458A	**ZBG 458A**	0.014
	520E	**ZBG 520E**	0.014
	3131A	**ZBG 3131A**	0.014
	4A185	**ZBD A185**	0.014
	LU1	**ZBD LU1**	0.014
	LU2	**ZBD LU2**	0.014
	LU3	**ZBD LU3**	0.014
	LU4	**ZBD LU4**	0.014
	LU5	**ZBD LU5**	0.014
	LU6	**ZBD LU6**	0.014
	LU7	**ZBD LU7**	0.014
	LU8	**ZBD LU8**	0.014
	LU9	**ZBD LU9**	0.014
	LU10	**ZBD LU10**	0.014
	LU11	**ZBD LU11**	0.014
	LU12	**ZBD LU12**	0.014
	LU13	**ZBD LU13**	0.014
	LU14	**ZBD LU14**	0.014
	8D1	**ZBD 8D1**	0.014
For booted selector switches			
Sets of 2 keys, one of which supplied booted (rubber boot)	455	**ZBG 455P**	–
	421E	**ZBG 421EP**	–
	458A	**ZBG 458AP**	–
	520E	**ZBG 520EP**	–
	3131A	**ZBG 3131AP**	–

Accessory for key switches *(1)*

Description	Function	Reference	Weight kg
Keyhole cover (rubber cover)	Protection of lock barrel when no key inserted in lock	**ZBG P**	0.005

Boot for standard handle

Description	For use with	Sold in lots of	Unit reference	Weight kg
Boot for standard handle	**ZB4 BD●●**	5	**ZBD D2**	0.005

(1) Not compatible with products with key TEC10.

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Dimensions : page 68

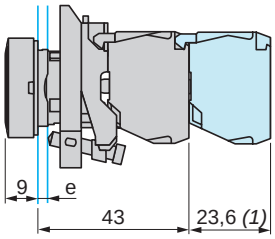
Control and signalling units Ø 22

Harmony® XB4 metal

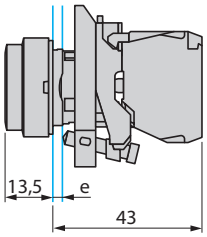
Pushbuttons, switches and pilot lights: complete units, XB4 B

Pushbuttons, spring return

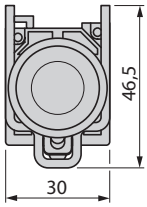
XB4 BA●●



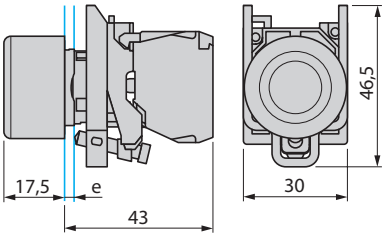
XB4 BL●●



Common face view



XB4 BP●●



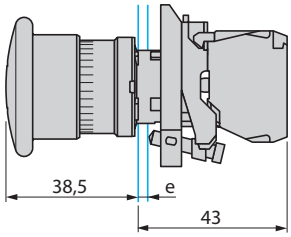
e: clamping thickness: 1 to 6 mm

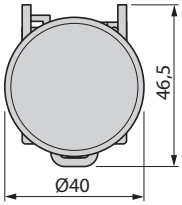
(1) Additional row of contacts or double contact.

e: clamping thickness: 1 to 6 mm

Mushroom head pushbuttons, spring return

XB4 BC21

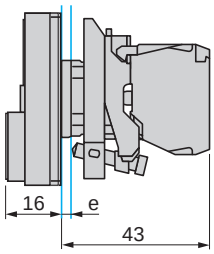




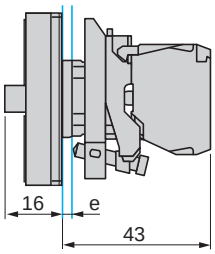
e: clamping thickness: 1 to 6 mm

Multiple-headed pushbuttons (double or triple), spring return

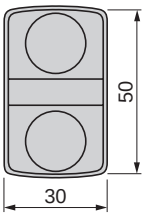
XB4 BL73415, XB4 BW73731●5



XB4 BA731327, XB4 BA711237



Common face view

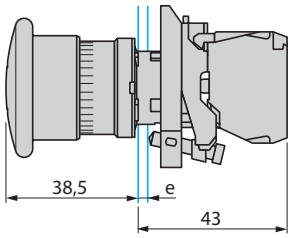


e: clamping thickness: 1 to 6 mm

Emergency stop mushroom head pushbuttons, trigger action and mechanical latching

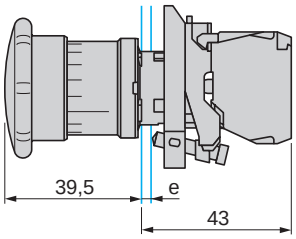
Push-pull

XB4 BT845



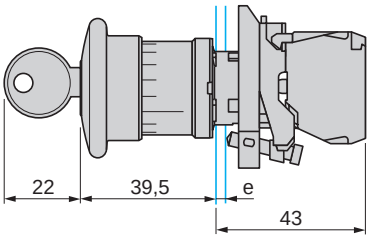
Turn to release

XB4 BS84441, BS8444, BS8445

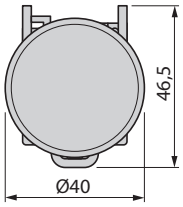


Key release

XB4 BS9445



Common face view



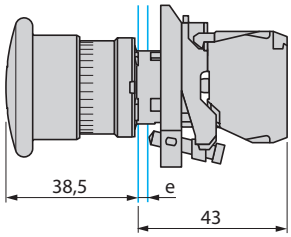
e: clamping thickness: 1 to 6 mm

e: clamping thickness: 1 to 6 mm

Emergency switching off mushroom head pushbuttons, mechanical latching

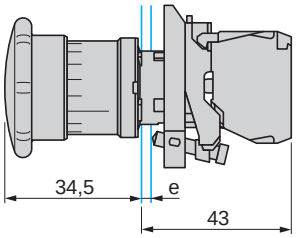
Push-pull

XB4 BT42



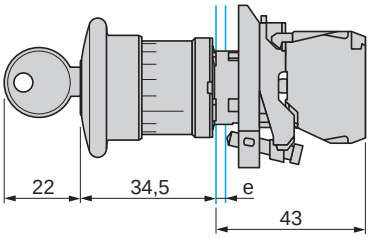
Turn to release

XB4BS542

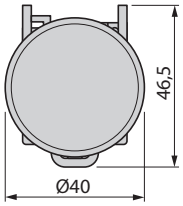


Key release

XB4 BS142



Common face view



e: clamping thickness: 1 to 6 mm

e: clamping thickness: 1 to 6 mm

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Schneider Electric

Control and signalling units Ø 22

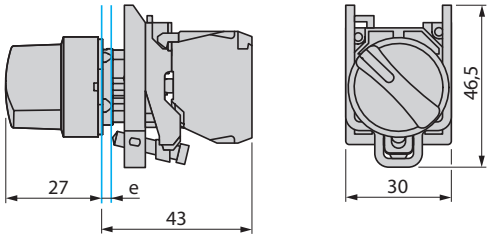
Harmony® XB4 metal

Pushbuttons, switches and pilot lights: complete units, XB4 B

Selector switches

Standard handle operator

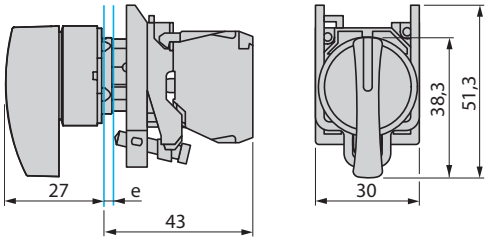
XB4 BD●●



e: clamping thickness: 1 to 6 mm

Long handle operator

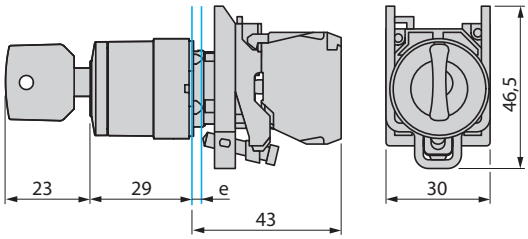
XB4 BJ●●



e: clamping thickness: 1 to 6 mm

Key switches

XB4 BG●●



e: clamping thickness: 1 to 6 mm

Control and signalling units Ø 22

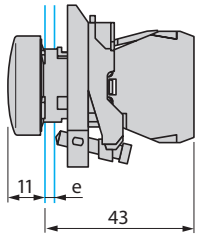
Harmony® XB4 metal

Pushbuttons, switches and pilot lights: complete units, XB4 B

Pilot lights

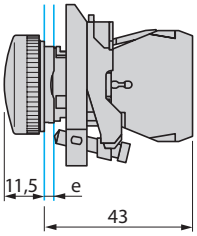
Integral LED

XB4 BVB●, BVG●, BVM●



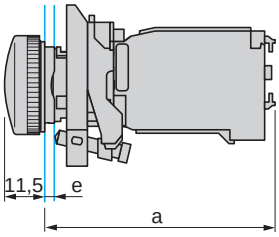
Direct supply

XB4 BV6●

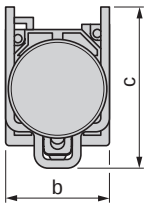


Via integral transformer

XB4 BV3●, BV4●



Common face view



	a	b	c
XB4 BV●●	66	30	46,5
XB4 BV5B●	89,6	40	46,5

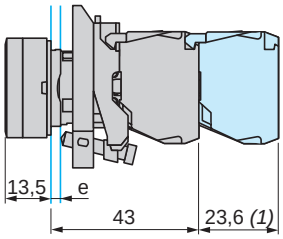
e: clamping thickness: 1 to 6 mm

e: clamping thickness: 1 to 6 mm

Illuminated pushbuttons, spring return

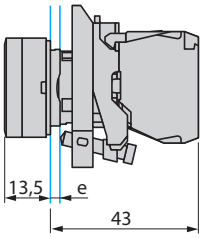
Integral LED

XB4 BWB3●●5



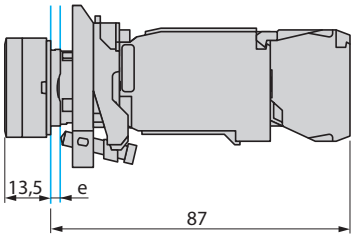
Direct supply

XB4 BW3●65

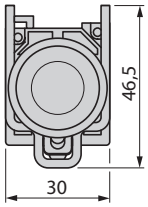


Via integral transformer

XB4 BW3●●5



Common face view



e: clamping thickness: 1 to 6 mm

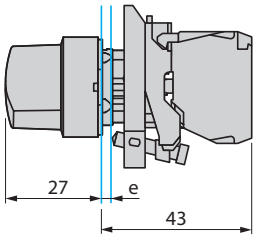
(1) Additional row of contacts or double contact

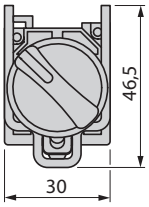
e: clamping thickness: 1 to 6 mm

Illuminated selector switches

Integral LED

XB4 BK12●●5



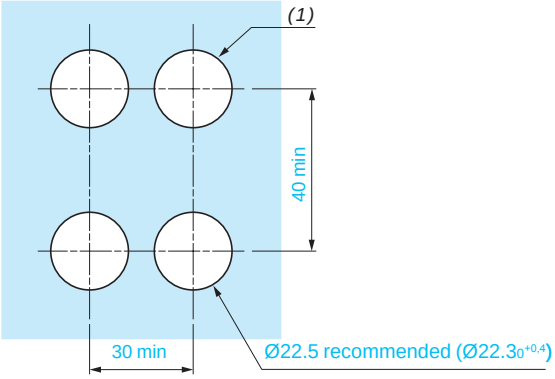


e: clamping thickness: 1 to 6 mm

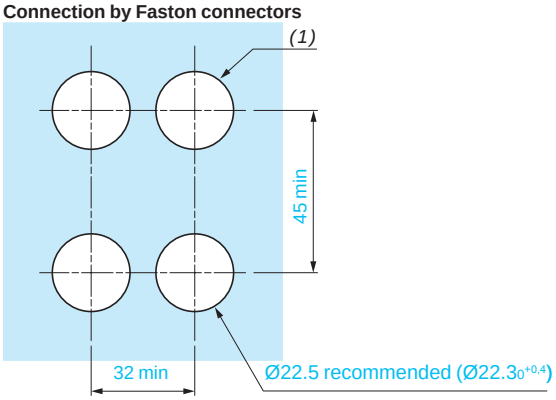
e: clamping thickness: 1 to 6 mm

Panel cut-out for pushbuttons, switches and pilot lights (finished holes, ready for installation)

Connection by screw clamp terminals or plug-in connectors or on printed circuit board



Connection by Faston connectors



(1) Diameter on finished panel or support.

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Schneider Electric

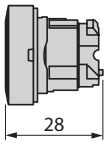
Control and signalling units Ø 22

Harmony® XB4 metal

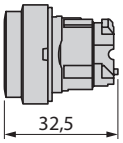
Pushbuttons, switches and pilot lights: sub-assemblies, ZB4 B

Heads for spring return pushbuttons

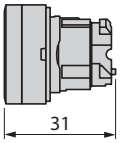
ZB4 BA●, ZB4 BA●●●ZB4 BA●8



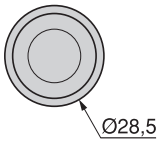
ZB4 BL●, ZB4 BL●●●



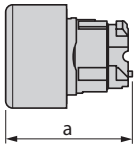
ZB4 BA●4, ZB4 BA●6

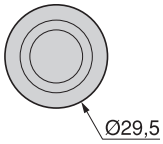


Common face view



ZB4 BP●●, ZB4 BP●S, ZB4 BP●83, ZB4 BP●

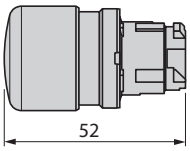


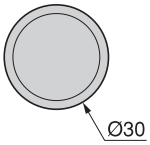


ZB4	a
BP●●	36.5
BP●S	33
BP●83	32
BP●	35

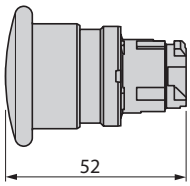
Mushroom heads for spring return pushbuttons

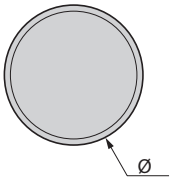
ZB4 BC●4





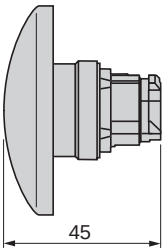
ZB4 BC●, ZB4 BR●

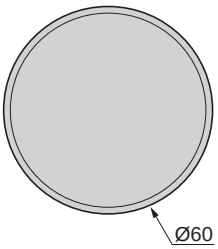




ZB4	Ø
BC●	40
BR●	60

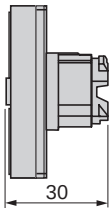
ZB4 BR●16



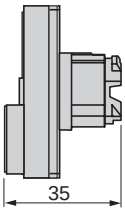


Heads for double-headed, spring return pushbuttons

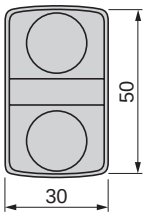
ZB4 BA712●, ZB4 BA734●, ZB4 BA79



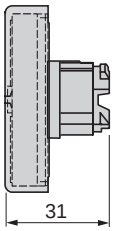
ZB4 BL734●



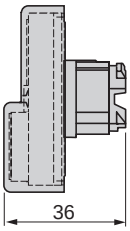
Common face view



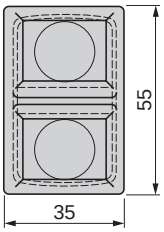
ZB4 BA712●, ZB4 BA734●, ZB4 BA79 + boot ZBA708



ZB4 BL734● + boot ZBA710

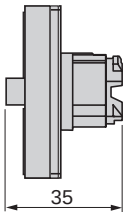


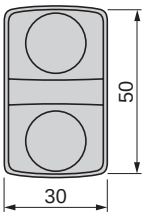
Common face view



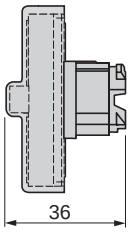
Heads for triple-headed, spring return pushbuttons

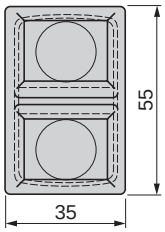
ZB4 BA7313●, ZB4 BA711●●, ZB4 BA72124, ZB4 BA791





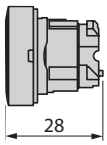
ZB4 BA7313●, ZB4 BA711●●, ZB4 BA72124, ZB4 BA791 + boot ZBA709



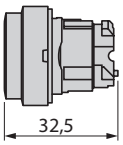


Heads for “push-push to release” pushbuttons

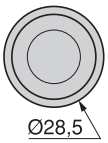
ZB4 BH0●



ZB4 BH●



Common face view



Control and signalling units Ø 22

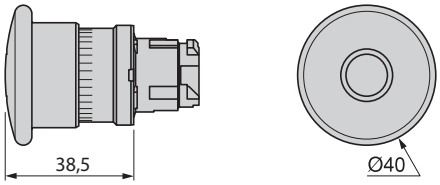
Harmony® XB4 metal

Pushbuttons, switches and pilot lights:
sub-assemblies, ZB4 B

Mushroom heads for Emergency stop, trigger action and mechanical latching pushbuttons

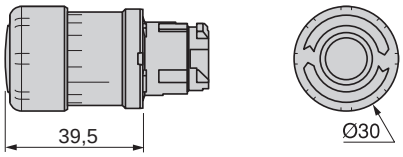
"Push-pull"

ZB4 BT84

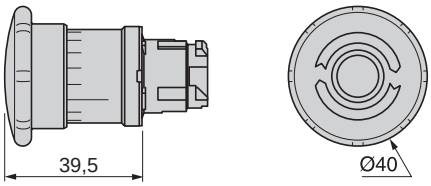


Turn to release

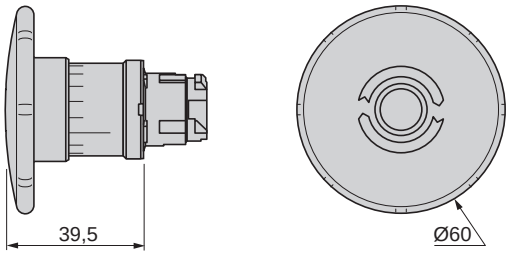
ZB4 BS834



ZB4 BS844

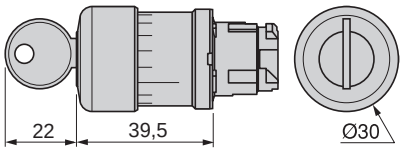


ZB4 BS864

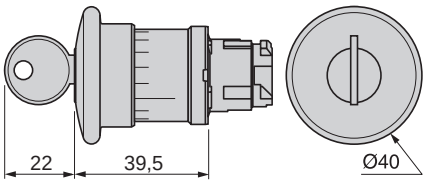


Key release

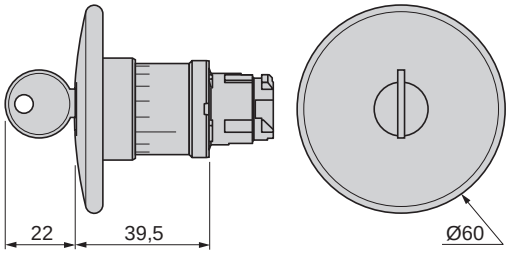
ZB4 BS934



ZB4 BS944



ZB4 BS964



Control and signalling units Ø 22

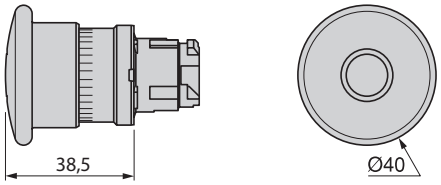
Harmony® XB4 metal

Pushbuttons, switches and pilot lights: sub-assemblies, ZB4 B

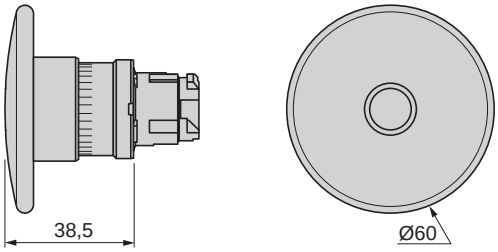
Mushroom heads for Emergency switching off, mechanical latching pushbuttons

Push-pull

ZB4 BT4

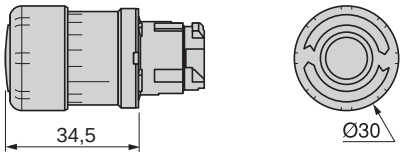


ZB4 BX4

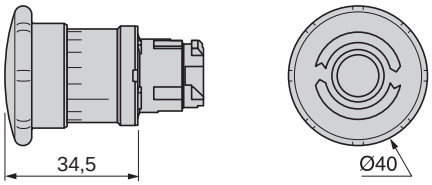


Turn to release

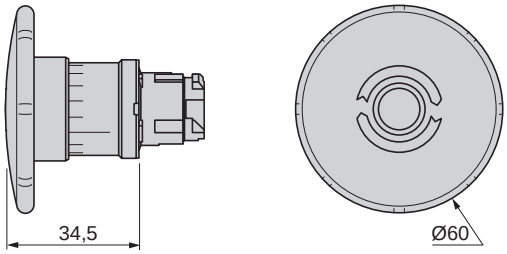
ZB4 BS44



ZB4 BS54

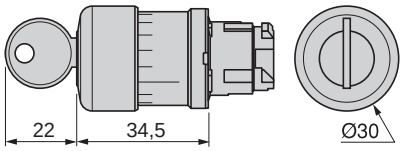


ZB4 BS64

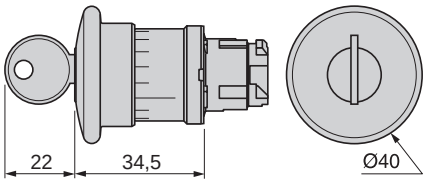


Key release

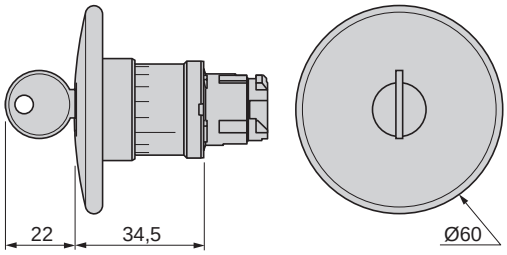
ZB4 BS74



ZB4 BS14



ZB4 BS24



Control and signalling units Ø 22

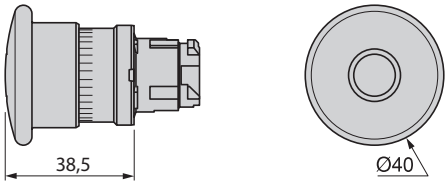
Harmony® XB4 metal

Pushbuttons, switches and pilot lights: sub-assemblies, ZB4 B

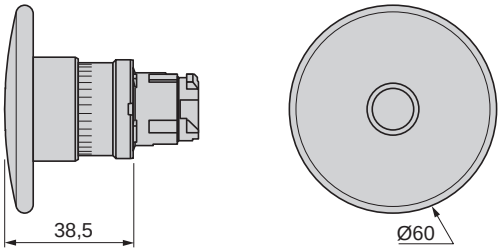
Mushroom heads for latching pushbuttons *(1)*

Push-pull

ZB4 BT2

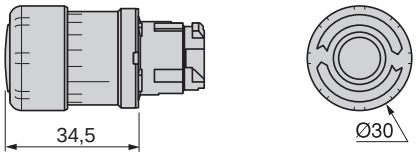


ZB4 BX2

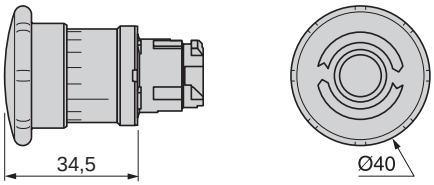


Turn to release

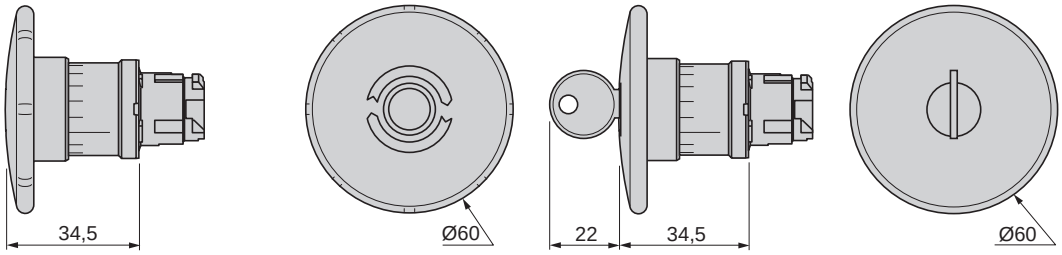
ZB4 BS42



ZB4 BS52, ZB4 BS55

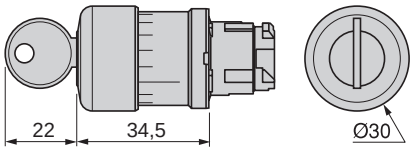


ZB4 BS62

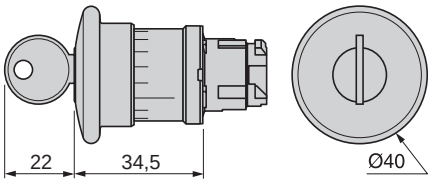


Key release

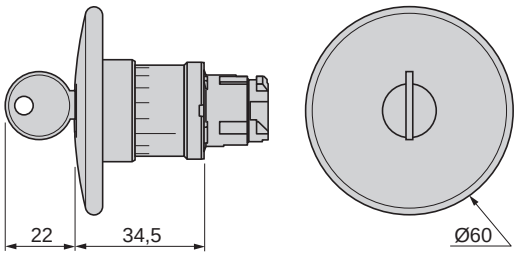
ZB4 BS72



ZB4 BS12



ZB4 BS22



(1) Red mushroom heads for Emergency stop and Emergency switching off, latching pushbuttons: see pages 72 and 73.

Control and signalling units Ø 22

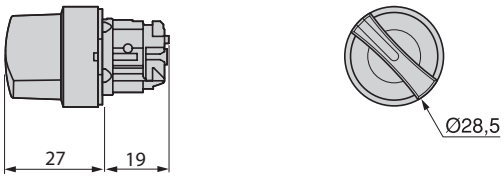
Harmony® XB4 metal

Pushbuttons, switches and pilot lights: sub-assemblies, ZB4 B

Heads for selector switches

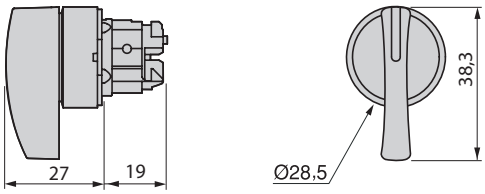
Standard handle operator

ZB4 BD●, ZB4 BD0●M



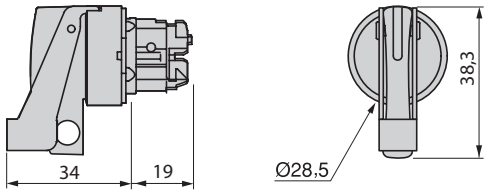
Long handle operator

ZB4 BJ●, ZB4 BD0●M



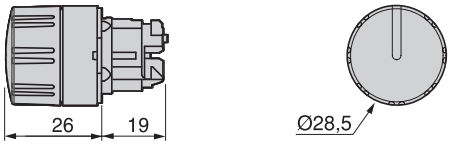
Padlockable long handle operator (6.35 mm shank max.)

ZB4 BJ●9●



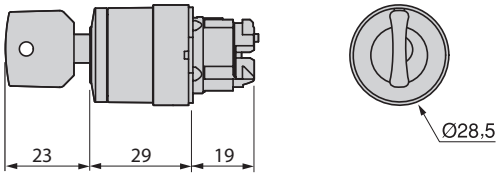
Black knurled knob

ZB4 BD●9



Key switches

ZB4 BG●, ZB4 BG0●, ZB4 BG0●M



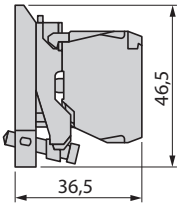
Heads for toggle switches

ZB4 BD●8

Bodies for pushbuttons and switches

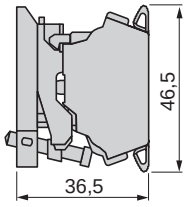
Screw clamp terminal connections

ZB4 BZ10●, ZB4 BZ141



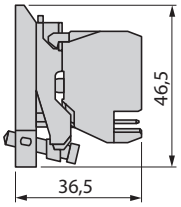
Spring terminal connections

ZB4 BZ10●5



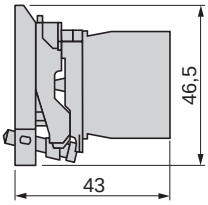
Plug-in connector

ZB4 BZ10●4, ZB4 BZ1414



High power switching with screw clamp terminal connections

ZBE 50● block + ZB4 BZ009 body

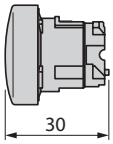


General: page 6
Characterisics: page 14
References: page 20

Heads for pilot lights, with light source

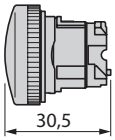
Integral LED

ZB4 BV0●3, ZB4 BV0●3S

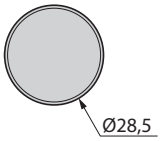


Incandescent, neon or LED

ZB4 BV0●, ZB4 BV0●S



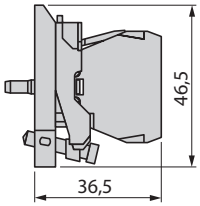
Common face view



Bodies for pilot lights, screw clamp terminal connections

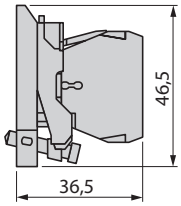
Integral LED

ZB4 BV●●



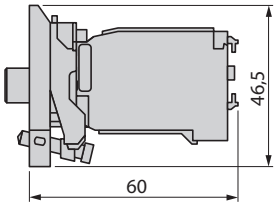
Direct supply, for BA 9s bulb

ZB4 BV6



Via integral transformer, for BA 9s bulb

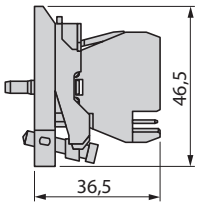
ZB4 BV●, ZB4 BV●D●



Bodies for pilot lights, plug-in connector

Integral LED

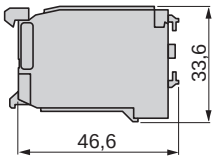
ZB4 BV●●4



Transformer blocks

For 24 V light blocks with integral LED

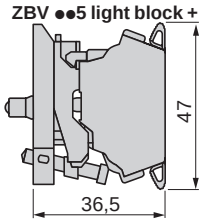
ZBV 5B, ZBV 8B, ZBV 9B



Light blocks + body for pilot lights, spring terminal connections

Integral LED

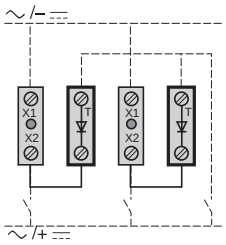
ZBV ●●5 light block + ZB4 BZ009 body



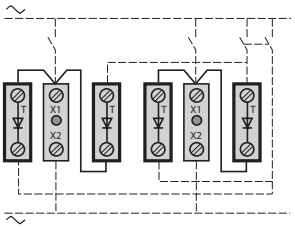
Connections

Blocks for "test light" function

ZBZ G156



ZBZ M156



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Control and signalling units Ø 22

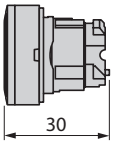
Harmony® XB4 metal

Pushbuttons, switches and pilot lights: sub-assemblies, ZB4 B

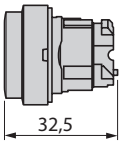
Heads for spring return illuminated pushbuttons, for light source types

LED

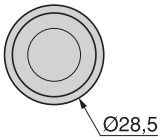
ZB4 BW3●3, ZB4 BW3●3S
ZB4 BW5●3, ZB4 BA●8



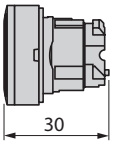
ZB4 BW1●3, ZB4 BL●8

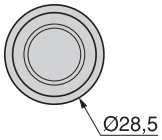


Common face view



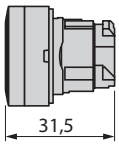
ZB4 BW9●3



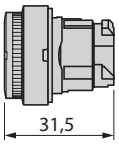


Incandescent or neon

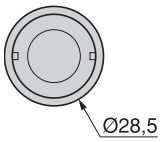
ZB4 BW3●3, ZB4 BW3●S



ZB4 BW1●

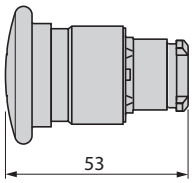


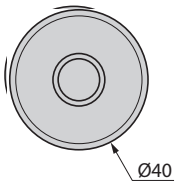
Common face view



Heads for Ø 40 mm mushroom head illuminated pushbuttons with LED

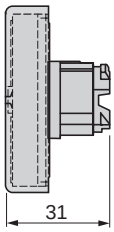
ZB4 BW4●3, ZB4 BW6●3



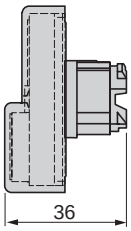


Heads for double-headed pushbuttons + pilot light

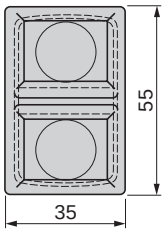
ZB4 BW7A374●,
ZB4 BW7A17●●,
ZB4 BW7A9



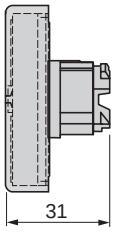
ZB4 BW7L374●



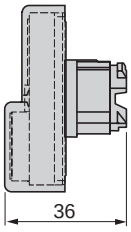
Common face view



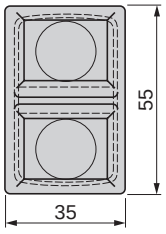
ZB4 BW7A374●,
ZB4 BW7A17●●,
ZB4 BW7A9
+ boot ZBA 708



ZB4 BW7L374●
+ boot ZBA 710

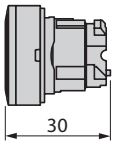


Common face view

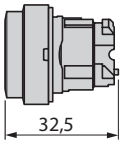


Heads for illuminated "push-push to release" pushbuttons

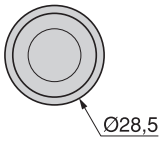
ZB4 BH0●3



ZB4 BH●3

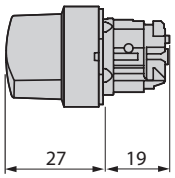


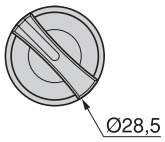
Common face view



Heads for illuminated selector switches with standard handle

ZB4 BK1●●●3





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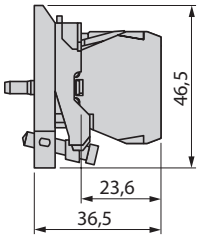
Control and signalling units Ø 22

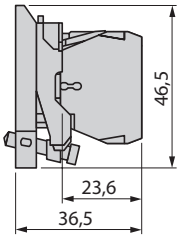
Harmony® XB4 metal

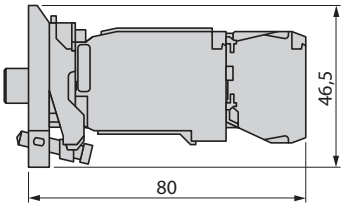
Pushbuttons, switches and pilot lights: complete units, XB4 B

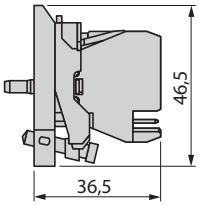
Bodies for illuminated pushbuttons and switches

Screw clamp terminal connections			Plug-in connector
Integral LED	Direct supply, BA 9s bulb	Via integral transformer, BA 9s bulb	Integral LED
ZB4 BW0●●●	ZB4 BW06●	ZB4 BW0●●, BW0●D●●	ZB4 BW0●●●4



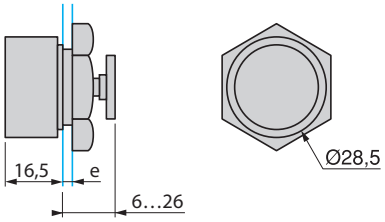




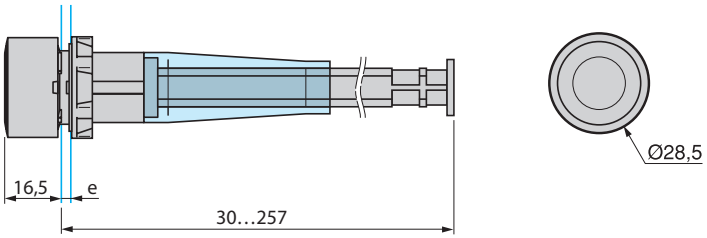


Manual overload reset buttons

XB4 BA8●●



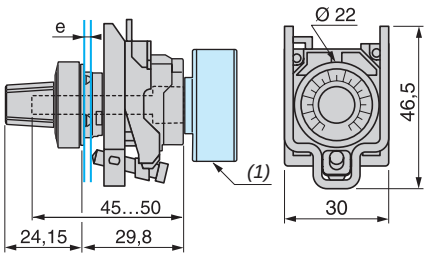
XB4 BA9●●



e: panel thickness 1 to 6 mm

Heads + mounting base for potentiometer

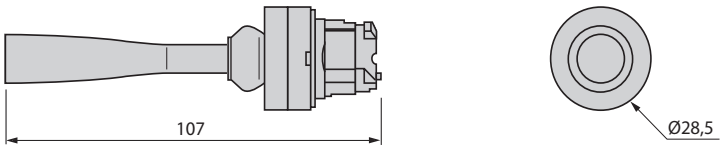
ZB4 BD9●2



(1) Potentiometer not included.

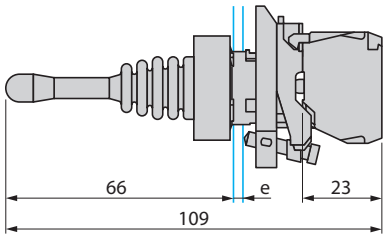
Wobblestick head

ZB4 BB●

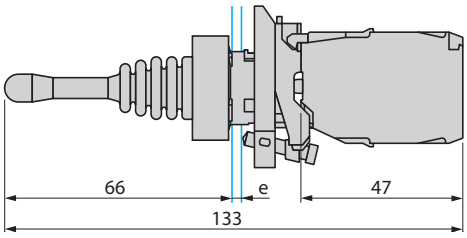


Joystick controllers

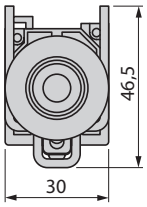
XD4 PA●2



XD4 PA●4



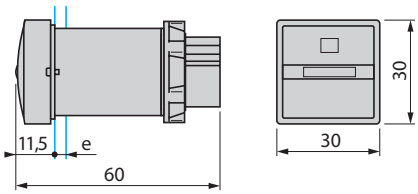
Common face view



e: panel thickness 1 to 6 mm

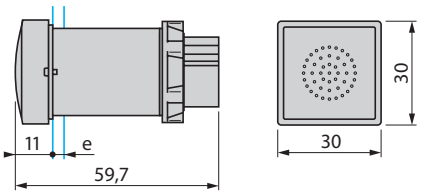
Hour counters

XB5 DS●



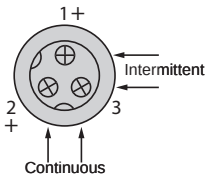
Annunciators

XB5 KS●



Cabling

XB5 KS●



e: panel thickness 1 to 6 mm

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Schneider Electric

Control and signalling units Ø 22

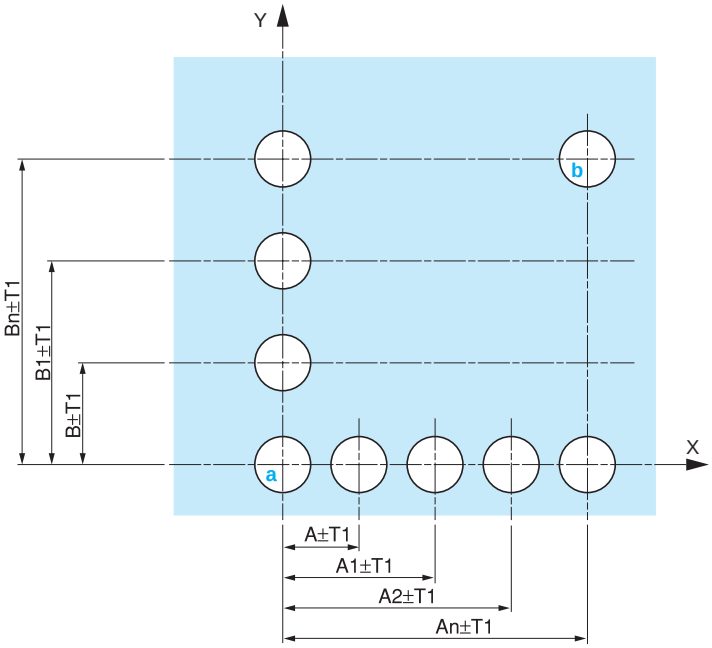
Harmony® XB4 metal

Pushbuttons, switches and pilot lights
for printed circuit board connection

Pushbuttons, switches and pilot lights for printed circuit board connection

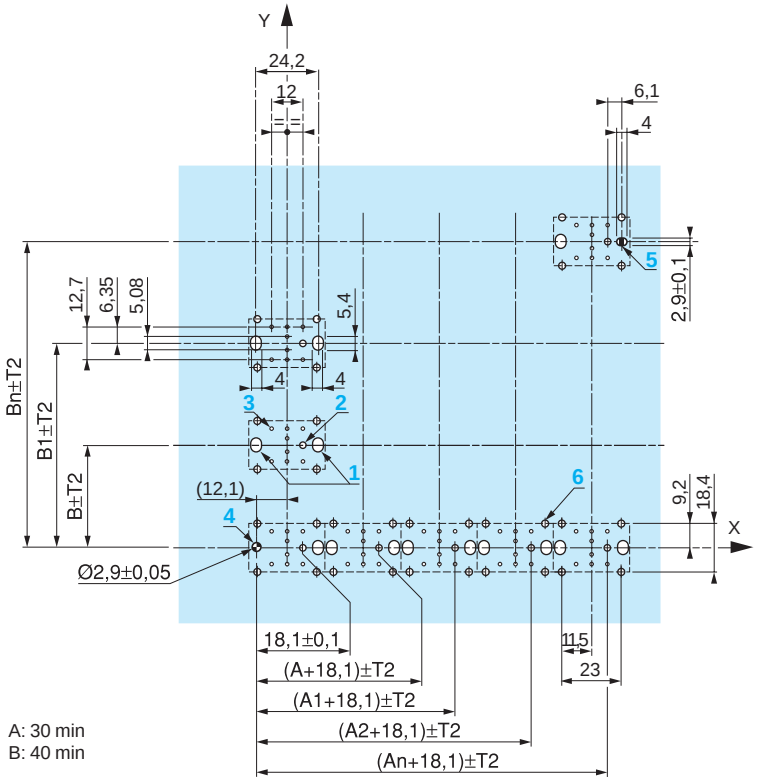
Panel cut-outs (viewed from installer's side)

Dimensions in mm



Printed circuit board cut-outs (viewed from electrical block side)

Dimensions in mm

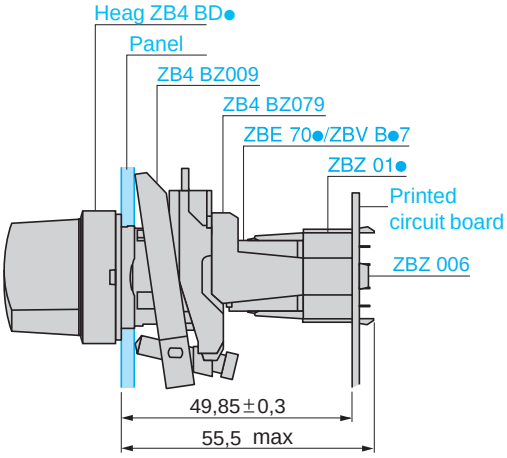


General tolerances of the panel and printed circuit board

The cumulative tolerance must not exceed 0.3 mm: T1 + T2 = 0.3 mm max.

■ Installation precautions:
□ Minimum thickness of circuit board: 1.6 mm.
□ Cut-out diameter: 22.4 mm ± 0.1 mm.
□ Orientation of body/fixing collar ZB4 BZ009: ± 2° 30' (excluding cut-outs marked **a** and **b**).
□ Tightening torque of screws ZBZ 006: 0.6 N.m. max.
□ Allow for one ZB4 BZ079 fixing collar/pillar and its fixing screws:
- every 90 mm horizontally (X), and 120 mm vertically (Y).
- with each selector switch head (ZB4 BD●, ZB4 BJ●, ZB4 BG●).

The fixing centres marked **a** and **b** are diagonally opposed and must align with those marked **4** and **5**.



■ **Mounting of adapter (socket) ZBZ 01●:**

1 2 elongated holes for ZBZ 006 screw access.

2 1 hole Ø 2.4 mm ± 0.05 for centring adapter ZBZ 01●

3 8 x Ø 1.2 mm holes.

4 1 hole Ø 2.9 mm ± 0.05, for aligning the printed circuit board (with cut-out marked **a**).

5 1 elongated hole for aligning the printed circuit board (with cut-out marked **b**).

6 4 holes Ø 2.4 mm for clipping in adapter ZBZ 01●.

Dimensions An + 18.1 relate to the Ø 2.4 mm ± 0.05 holes for centring adapter ZBZ 01●.

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Control and signalling units Ø 22

Harmony® XB5, plastic

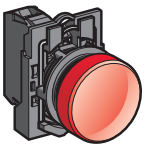
Pushbuttons, switches and pilot lights

Description

The Ø 22 range of plastic (double insulated) control and signalling units comprises:

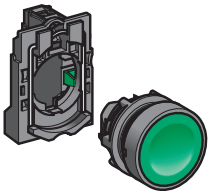
Complete units, XB5 A

Pushbuttons and switches



Pilot lights

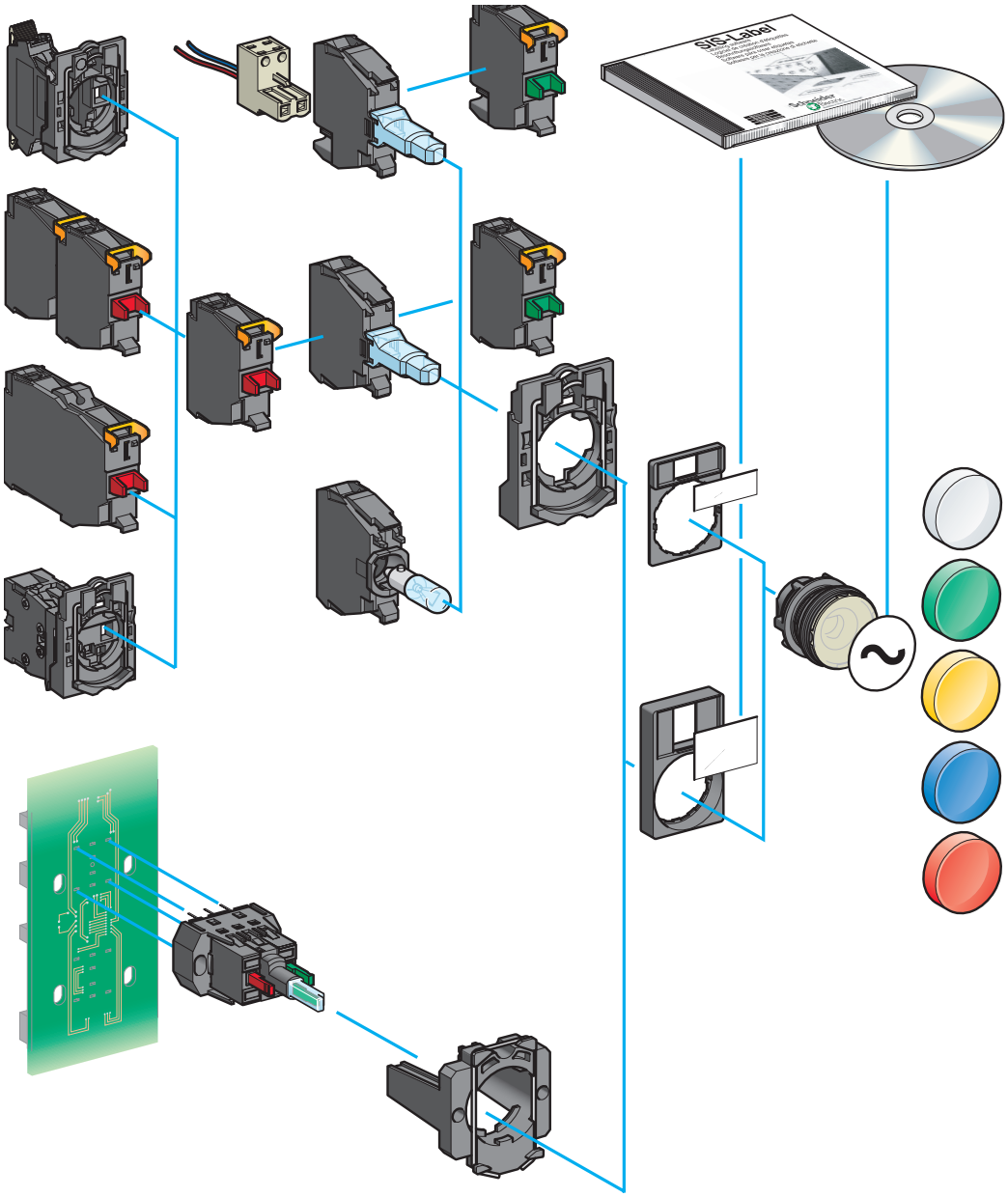
Sub-assemblies, ZB5 A



Pushbuttons and switches:
body + head sub-assemblies

Pilot lights:
body + head sub-assemblies

ZB component parts and accessories



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Schematic library

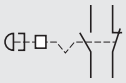
Contact functions (pushbuttons, Emergency stop and Emergency switching off pushbuttons)

Pushbutton
N/O contact

Pushbutton
N/C contact

Mushroom head spring return
N/O contact

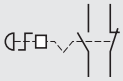
Emergency switching off
mushroom head pushbutton -
Push-pull N/C contact



Emergency stop trigger
action mushroom head - Push-pull
N/O + N/C contacts

Emergency switching off
mushroom head -
Turn to release
N/C contact

Emergency switching off
mushroom head -
Turn to release, with key
N/C contact



Emergency stop trigger action
mushroom head - Turn to release
N/O + N/C contacts

Emergency stop trigger
action mushroom head
Turn to release, with key
N/O + N/C contacts

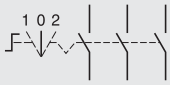
Double-headed pushbutton
N/O + N/C contacts

Early make contact block
N/O contact

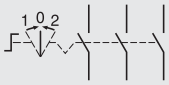
Late break contact block
N/C contact

Contact functions (selector switches)

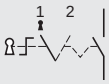
Selector switch 2-position stay put
N/O contact



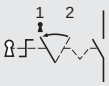
Selector switch 3-position stay put
N/O+N/O+N/O contacts



Selector switch 3-position
2 spring return to centre
N/O+N/O+N/O contacts



Selector switch 2-position stay put,
key withdrawal from LH position -
N/O contact

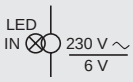


Selector switch 2-position spring return from right to left,
key withdrawal from LH position
N/O contact

Signalling functions

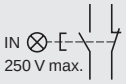
Pilot light with BA 9s
incandescent bulb

LED pilot light

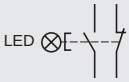


Pilot light with integral transformer 230 V primary, 6 V secondary
BA 9s bulb, incandescent or LED

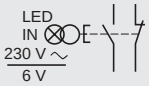
Combined functions, contact + signalling (pushbuttons and selector switches)



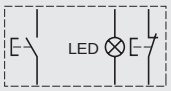
Illuminated pushbutton,
BA 9s incandescent bulb
N/O+N/C contacts



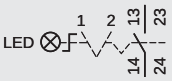
Illuminated pushbutton
LED - N/O+ N/C contacts



Illuminated pushbutton with integral transformer
230 V ∼ 50/60 Hz primary, 6 V secondary
BA 9s bulb, incandescent or LED - N/O+ N/C contacts



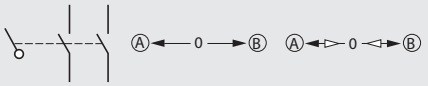
Double-headed pushbutton with LED pilot light



Illuminated selector switch with LED, 2-position stay put
N/O + N/C contacts

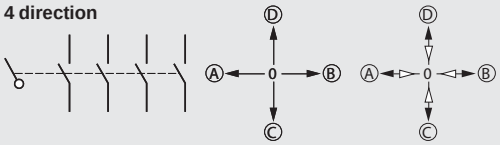
Joystick controller functions

2 direction



Without spring return **With spring return**

4 direction



Without spring return **With spring return**

Characteristics : page 88

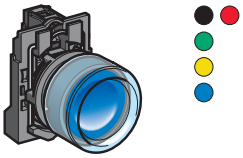
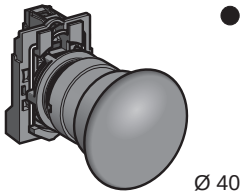
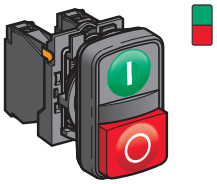
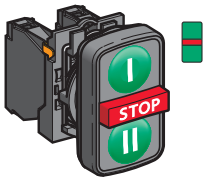
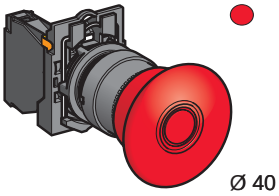
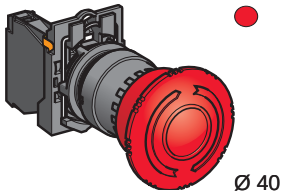
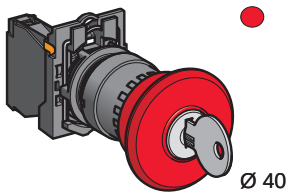
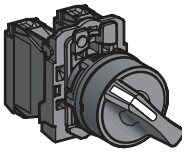
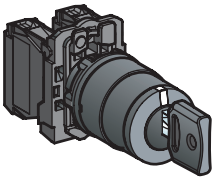
References : page 94

Dimensions : page 146

Control and signalling units Ø 22

Harmony® XB5, plastic

Pushbuttons, switches and pilot lights: complete units, XB5 A

Complete units	Contact functions		
Pushbuttons, spring return			
	Flush push, unmarked **XB5 AA●1/AA42** **see page 94**	Flush push, with marking **XB5 AA3311/AA33●1** **see page 98**	Projecting push, with marking **XB5 AL4322** **see page 98**
			
	Booted flush push **XB5 AP●1/AP42** **see page 97**	Projecting push, unmarked **XB5 AL42** **see page 96**	Mushroom head **XB5 AC21** **see page 104**
Multiple-headed pushbuttons, spring return			
	Double-headed **XB5 AL73415** **see page 102**	Triple-headed **XB5 AA731327/XB5 AA711237** **see page 103**	
Emergency Stop or Emergency switching off mushroom head pushbuttons, Ø 40			
Emergency stop trigger action and mechanical latching	Push-pull (EN/ISO 13850: 2006) **XB5 AT845** **see page 106**	Turn to release (EN/ISO 13850: 2006) **XB5 AS8●4** **see page 106**	Key release (EN/ISO 13850: 2006) **XB5 AS9445** **see page 106**
Emergency switching off mechanical latching	Push-pull (IEC 60364-5-53) **XB5 AT42** **see page 107**	Turn to release (IEC 60364-5-53) **XB5 AS542** **see page 107**	Key release (IEC 60364-5-53) **XB5 AS142** **see page 107**
Selector switches and key switches			
	Standard handle, black **XB5 AD●●** **see page 110**	Long handle, black **XB5 AJ●●** **see page 111**	Key switch **XB5 AG●●** **see page 112**

Characteristics : page 88
References : page 94
Dimensions : page 146

Control and signalling units Ø 22

Harmony® XB5, plastic

Pushbuttons, switches and pilot lights: complete units, XB5 A

Complete units *(continued)*

Signalling functions

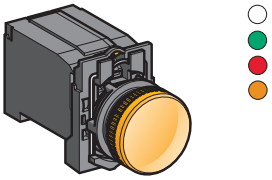
Pilot lights

Integral LED

XB5 AVB●/AVG●/AVM●
see page 116

For bulb with BA 9s base fitting
Direct supply

XB5 AV6●
see page 117



Via integral transformer

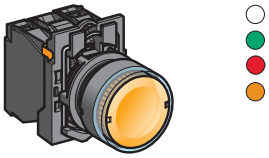
XB5 AV3●/AV4●
see page 117

Combined functions (contact + signalling)

Illuminated pushbuttons, spring return, flush push

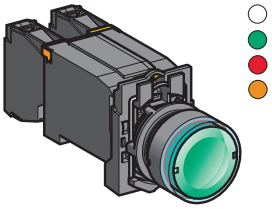
Integral LED

XB5 AW3●B5/AW3●G5/AW3●M5
see page 99



For bulb with BA 9s base fitting
Direct supply

XB5 AW3●65
see page 101



Via integral transformer

XB5 AW3●35/AW3●45
see page 101

Double-headed pushbuttons, spring return, + pilot light block

Integral LED

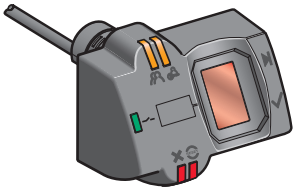
XB5 AW73731●5
see page 102

Illuminated selector switches, standard handle

Integral LED

XB5 AK1●●3
see page 115

Fingerprint reader biometric switches



Bistable or monostable type, 24 V d.c.

XB5 S●B●●●●
see page 158

Characteristics : page 88
References : page 94
Dimensions : page 146

Control and signalling units Ø 22

Harmony® XB5, plastic

Pushbuttons, switches and pilot lights: sub-assemblies, ZB5 A

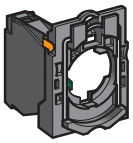
Non illuminated units for user assembly

Contact functions

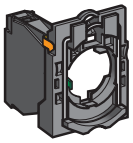
Body sub-assemblies

Head sub-assemblies

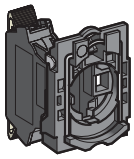
For pushbuttons, spring return, unmarked



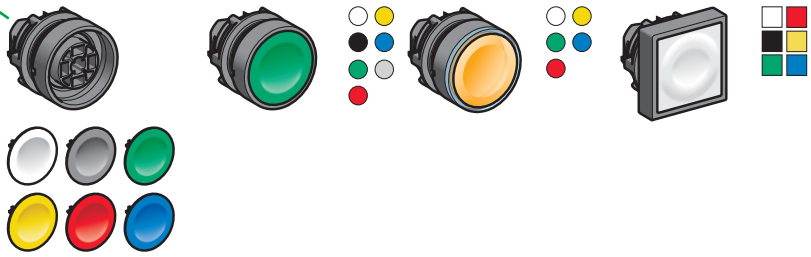
Screw clamp terminals
ZB5 AZ10●/AZ141
page 120



Faston
ZB5 AZ10●3
page 124



Spring clamp terminals
ZBE 10●5
ZB5 AZ10●5
page 122

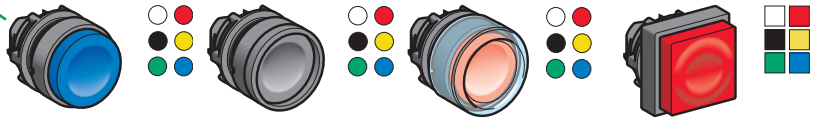


Flush push without cap/with set of 6 caps
ZB5 AA0/AA9
page 94

Flush push
ZB5 AA●
page 94

Flush push for insertion of legend
ZB5 AA●8
page 94

Flush push, cap mounted/not mounted
ZB5 CA0/CA●
page 94



Projecting
ZB5 AL●
page 96

Recessed push
ZB5 AA●
page 95

Booted flush push, for insertion of legend
ZB5 AP●●/AP●S
page 97

Projecting or recessed push
ZB5 CA●/CL●
page 95

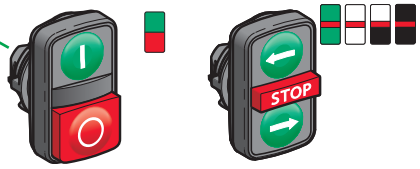
For pushbuttons, spring return, with marking

Flush push
ZB5 AA●3●/AA●4●
page 98

Projecting push
ZB5 AL●
page 98

Flush push
ZB5 CA●3●/ CA●9●
page 98

For multiple-headed pushbuttons, spring return



Double-headed
ZB5 AA7●●● /AA79
ZB5 AL734●
page 102

Triple-headed
ZB5 AA7313●, ZB5 AA711●●
ZB5 AA72124, ZB5 AA791
page 103

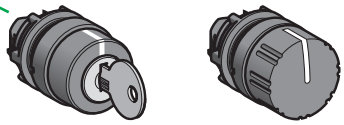
For "push-push to release" pushbuttons

Flush push (caps mounted/not mounted)
ZB5 AH●●/CH●●
page 108

Projecting push
ZB5 AH●
page 108

Flush push (caps mounted/not mounted)
ZB5 CH0/CH0●
page 108

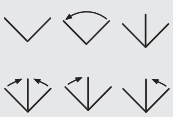
For "push-turn to release" pushbuttons



Key switches
ZB5 AFD●
page 109

Knurled knob *(1)*
ZB5 AF
page 109

(1) Knob positions



Characteristics : page 88
References : page 94
Dimensions : page 146

Schneider Electric

Control and signalling units Ø 22

Harmony® XB5, plastic

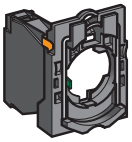
Pushbuttons, switches and pilot lights: sub-assemblies, ZB5 A

Non illuminated units for user assembly (continued)

Contact functions (continued)

Body sub-assemblies | **Head sub-assemblies**

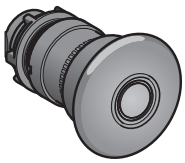
For mushroom head pushbuttons



Screw clamp terminals
ZB5 AZ10●/AZ141
page 120

Ø 30
Ø 40
Ø 60

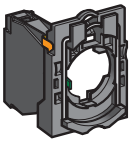
Spring
ZB5 AC●/AR●
see page 104



Ø 30
Ø 40
Ø 60

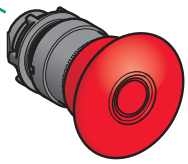
Latching
ZB5 A●2/AS●2/AS55
see page 105

For Emergency Stop or Emergency switching off mushroom head pushbuttons



Emergency stop trigger action and mechanical latching

Faston
ZB5 AZ10●3
page 124



Ø 30
Ø 40
Ø 60

Push-pull (EN/ISO 13850: 2006)
ZB5 AT84
see page 106

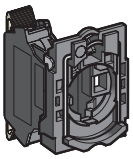
Ø 30
Ø 40
Ø 60

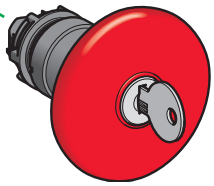
Turn to release (EN/ISO 13850: 2006)
ZB5 AS8●4
see page 106

Emergency switching off mechanical latching

Push-pull (IEC 60364-5-53)
ZB5 AT●/AX●
see page 107

Turn to release (IEC 60364-5-53)
ZB5 AS44/AS54/AS64
see page 107





Ø 30
Ø 40
Ø 60

Emergency stop trigger action and mechanical latching

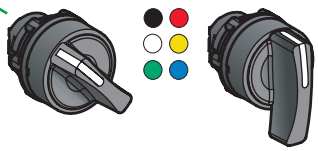
Spring clamp terminals
ZBE 10●5
ZB5 AZ10●5
page 122

Key release (EN/ISO 13850: 2006)
ZB5 AS9●4/AS944D, see page 106

Emergency switching off mechanical latching

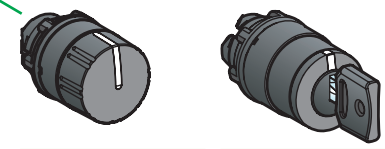
Key release (IEC 60364-5-53)
ZB5 AS●4/AS14D, see page 107

For selector switches and key switches



Standard handle *(1)*
ZB5 AD●
page 110

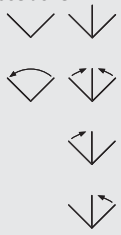
Long black handle *(1)*
ZB5 AJ●
page 111



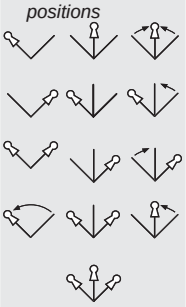
Knurled black knob *(1)*
ZB5 AD●9
page 113

Key switch *(2)*
ZB5 AG●●
page 113

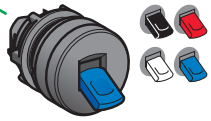
(1) Switch handle and knob positions



(2) Key switch positions
Key withdrawal positions

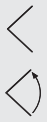


For toggle switches



2-position lever *(3)*
ZB5 AD●8
see page 113

(3) Lever positions



Characteristics : page 88
References : page 94
Dimensions : page 146

Control and signalling units Ø 22

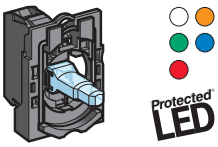
Harmony® XB5, plastic

Pushbuttons, switches and pilot lights: sub-assemblies, ZB5 A

Pilot lights for user assembly

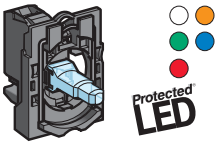
Signalling functions

Body sub-assemblies with integral LED



Connection: screw clamp terminals

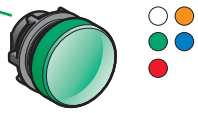
ZB5 AVB/AVG/AVM
see page 128



Connection: plug-in connector

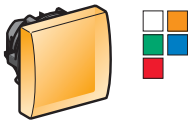
Please consult your Regional Sales Office

Head sub-assemblies



With lens fitted (insertion of legend)

ZB5 AV0●3/AV0●3E, see page 116

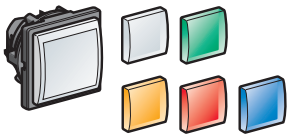


With lens fitted

ZB5 CV0●3, see page 116

With 5 lens caps (not fitted) for insertion of legend

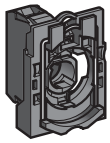
ZB5 AV003/AV0●3●, see page 116



With 5 separate lens caps, not fitted

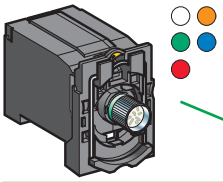
ZB5 CV003, see page 116

Body sub-assemblies for BA 9s bulb



Direct supply
Connection: screw clamp terminals

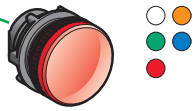
ZB5 AV6, page 131



Via integral transformer
Connection: screw clamp terminals

ZB5 AV●/AV3D●/AV5D●
page 131

Head sub-assemblies



With lens fitted

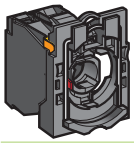
ZB5 AV0●, see page 117

Illuminated pushbuttons for user assembly

Combined functions (contact + signalling)

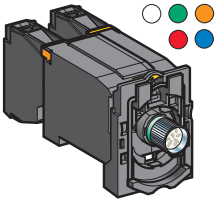
For illuminated pushbuttons, spring return

Body sub-assemblies for BA 9s bulb



Direct supply
Connection: screw clamp terminals

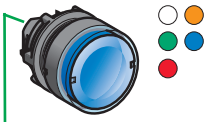
ZB5 AW06●, page 130



Via integral transformer
Connection: screw clamp terminals

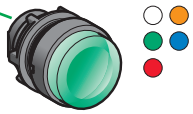
ZB5 AW03/4/5/3D/4D/5D
see page 130

Head sub-assemblies



Flush

ZB5 AW3●/AW3●S, see page 100



Projecting

ZB5 AW1●/AW1●S, see page 100

Characteristics : page 88
References : page 94
Dimensions : page 146

Schneider Electric

Control and signalling units Ø 22

Harmony® XB5, plastic

Pushbuttons, switches and pilot lights: sub-assemblies, ZB5 A

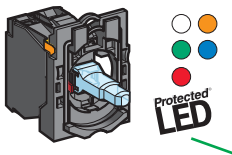
Illuminated pushbuttons for user assembly

Combined functions (contact + signalling) *(continued)*

Body sub-assemblies with integral LED

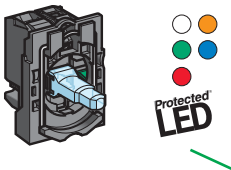
Head sub-assemblies

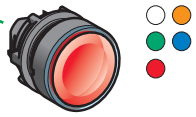
For illuminated pushbuttons, spring return



Connection: screw clamp terminals

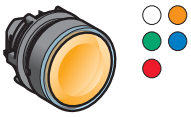
ZB5 AW0B/AW0G/ AW0M
see page 126





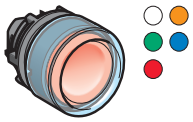
Flush push
Flush push with illuminated ring

ZB5 AW3●3/AW3●3S/AW9●3
see page 100



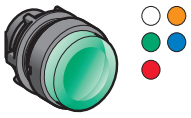
Flush push
for insertion of legend

ZB5 AA●8
see page 100



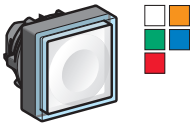
Booted flush push

ZB5 AW5●3
see page 100



Projecting push

ZB5 AW1●3/AW1●3S
see page 100



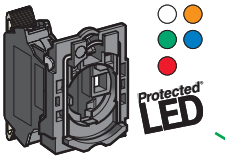
Flush or projecting push
Flush or projecting push for insertion of legend

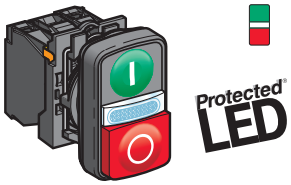
ZB5 CW3●3/CW1●3
see page 100

For double-headed pushbuttons, spring return, with pilot light

Connection: plug-in connector

Please consult your Regional Sales Office





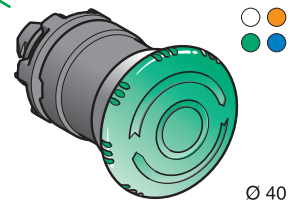
Double-headed (flush/flush push) + central pilot light
Triple-headed (flush/projecting push) + central pilot light

ZB5 AW7A17●●, ZB5 AW7A374●, ZB5 AW7A9 , ZB5 AW7L374●, see page 102
ZB5 AA7313●, ZB5 AA71●●●, ZB5 AA72124, ZB5 AA791, see page 103

For illuminated, mushroom head pushbuttons, latching

Connection: spring clamp terminals

ZBV ●●5
see page 122

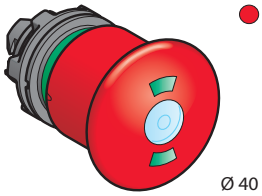


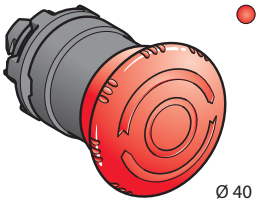
Turn to release

ZB5 AW7●3, see page 105

For illuminated mushroom head pushbuttons
- **Emergency Stop with trigger action and mechanical latching**

or
- **Emergency switching off with mechanical latching only**





Push-pull with mechanical state indicator (EN/ISO 13850:2006)

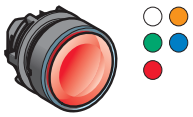
ZB5 AT8643M
see page 106

Turn to release
(IEC 60364-5-53)

ZB5 AW743
see page 107

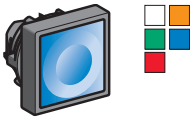
For illuminated "push-push to release" pushbuttons

For illuminated selector switches, standard handle



Flush or projecting "push-push to release"

ZB5 AH0●3/AH●3
see page 108



Flush "Push-push to release"

ZB5 CH3●3
see page 108

Standard handle *(1)*

ZB5 AK1●●3
see page 115

(1) Handle positions

Characteristics : page 88
References : page 94
Dimensions : page 146

Environment

Protective treatment	Standard version		"TH" treatment
Ambient air temperature around the device	Storage	**°C**	- 40…+ 70
	Operation	**°C**	- 25…+ 70: LED and neon bulb versions - 25…+ 55: incandescent bulb version
Electric shock protection	Conforming to IEC 61140		Class II
Degree of protection	Conforming to IEC 60529		IP 66 IP 69 K (Selector switches and multiple-headed pushbuttons) IP 54 (Emergency stop illuminated, trigger action and mechanical latching pushbuttons with mechanical state indicator)
	Conforming to NEMA		NEMA type 4X and 13, unless otherwise stated
Resistance to high pressure washer		**Pa**	70 x 10^5 (70 bar); distance: 0.1 m Temperature: 55 °C
Mechanical shock protection	Conforming to IEC 50102		Non illuminated heads: IK 03 Illuminated heads: IK 05 Selector switch heads: IK 06
Conforming to standards			EN/IEC 60947-1, EN/IEC 60947-5-1, EN/IEC 60947-5-4, EN/IEC 60947-5-5, EN/IEC 60204-1 and EN/ISO 13850: 2006 (Emergency stop trigger action and mechanical latching pushbuttons, see page 106) IEC 60364-5-53 (Emergency switching off mechanical latching pushbuttons, see page 106) EN 81-1 (Emergency stop illuminated, trigger action and mechanical latching pushbuttons with mechanical state indicator, see page 106) JIS C 4520, UL 508, CSA C22-2 n° 14
Product certifications	UL Listed, CSA		Standard single contacts with screw clamp and spring terminals: A600; Q600 Double contacts with screw clamp terminals: A600; Q600 Light blocks with screw clamp terminals Joystick controllers XD5 PA/ZD5 PA: A600; R300 Special contact blocks: □ ZBE 201: A300; Q300 □ ZBE 202: A600; Q600 Single contacts for high power switching: □ ZBE 501 and ZBE 502: A300; P300
	UL Recognized, CSA		Standard single contacts for plug-in connector: A300; R300 Standard contacts for printed circuit board: B300; R300
	BV, RINA, LROS, DNV, GL		Standard single contacts and double contacts with screw clamp or spring terminals:
Terminal referencing	Conforming to EN 50005 and EN 50013		

Characteristics of contact or combined contact and signalling functions (see page 92)

Mechanical characteristics

Contact operation	N/C or N/O		Slow break
Positive operation	Conforming to EN/IEC 60947-5-1 appendix K		All functions incorporating a N/C contact have positive opening operation
Operating travel (to change the electrical state)	Pushbutton	**mm**	Changing N/C state: 1.5 Changing N/O state: 2.6 Total travel: 4.3
Operating force	Pushbutton	**N**	Changing N/C state: 3.5 Changing N/O state: 3.8
	Additional contact only (extra to change state)	**N**	Single N/C contact: 2 Single N/O contact: 2.3
		N	Double N/C contact: 3.4 Double N/O contact: 5 Double contact N/C + N/O: 4.6
	Emergency stop or Emergency switching off with N/C + N/O	**N**	Standard push-pull: 45 Trigger action push-pull: 50
		N	Standard turn to release and key release: 40 Trigger action turn to release and key release: 44

Characteristics of contact or combined contact and signalling functions (continued) (see page 92)

Mechanical characteristics (continued)

Operating torque (to change the electrical state)	Selector switches		**N.m**	N/O contact: 0.14
	Additional contact only		**N.m**	N/O contact: 0.05
Mechanical durability (in millions of operating cycles)	Pushbutton	Spring return		5
		Multiple-headed		1
		Push-push to release		0.5
	Selector switch	Non illuminated		1
		Illuminated		0.5
	Toggle switch			0.5
	Emergency stop or Emergency switching off pushbutton			0.3 with 4 contacts 0.3 with 2 contacts (Emergency stop with mechanical state indicator)
	Joystick controller			1
	Standard contact block only			5
	Low power switching contact block only (dust protected)			0.5
Vibration resistance	Conforming to IEC 60068-2-6			Frequency: 2 to 500 Hz: 5 gn
Mechanical shock resistance	Conforming to IEC 60068-2-27			All functions except mushroom head pushbuttons, spring return: □ half sine wave acceleration 11 ms: 50 gn □ half sine wave acceleration 18 ms: 30 gn
				Spring return mushroom head pushbutton: □ half sine wave acceleration 11 ms: 15 gn

Electrical characteristics

Cabling capacity	Conforming to /IEC 60947-1	**mm²**	Standard block with screw clamp or spring terminals: Min: 1 x 0.22 without cable end Max: 2 x 1.5 with cable end Cross headed screws (Pozidriv or Philips type 1), slotted for flat 4 and 5.5 mm screwdriver Tightening torque: 0.8 N.m (maxi 1.2 N.m) Contact blocks for high power switching: Min: 1 x 0.5 without cable end Max: 2 x 2.5 with or without cable end
Contact material	Silver alloy (Ag / Ni)		Standard single and double blocks with screw clamp or spring terminals Blocks for plug-in connector Standard blocks for printed circuit board connection
	Gold flashed (Ag / Ni / Au)		Low power switching contact blocks with screw clamp terminals Low power switching contact blocks for printed circuit board connection
Short-circuit protection	Conforming to EN/IEC 60947-5-1	**A**	Standard single and double blocks with screw clamp or spring terminals: 10 (gG cartridge fuse conforming to IEC 60269-1) Blocks for plug-in connector Standard blocks for printed circuit board connection: 4 (gG cartridge fuse conforming to IEC 60269-1)
Rated thermal current	Conforming to EN/IEC 60947-5-1	**A**	Standard single and double blocks with screw clamp or spring terminals: 10 Blocks for plug-in connector: 10 Standard blocks for printed circuit board connection: 6
Rated insulation voltage	Conforming to EN/IEC 60947-1	**V**	Standard single and double blocks with screw clamp or spring terminals: Ui = 600, degree of pollution 3 Blocks for plug-in connector or Faston connectors Standard blocks for printed circuit board connection Contact blocks for high-power switching: Ui = 250, degree of pollution 3
Rated impulse withstand voltage	Conforming to /IEC 60947-1	**kV**	Standard single and double blocks with screw clamp or spring terminals: Uimp = 6 Blocks for plug-in connector Standard blocks for printed circuit board connection Contact blocks for high-power switching: Uimp = 4

Characteristics of contact or combined contact and signalling functions (continued) (see page 92)

Electrical characteristics (continued)

Rated operational characteristics Conforming to EN/IEC 60947-5-1		a.c. supply: utilisation category AC-15		**Standard single and double blocks with screw clamp or spring terminals** A600: Ue = 600 V and Ie = 1.2 A or Ue = 240 V and Ie = 3 A or Ue = 120 V and Ie = 6 A **Blocks for plug-in connector:** A300: Ue = 120 V and Ie = 6 A or Ue = 240 V and Ie = 3 A **Standard blocks for printed circuit board connection:** B300: Ue = 120 V and Ie = 3 A or Ue = 240 V and Ie = 1.5 A **Special contact blocks:** □ ZBE 201: A300: Ue = 240 V and Ie = 3 A or Ue = 120 V and Ie = 6 A (with insulation voltage Ui = 500 V) □ ZBE 202: A600: Ue = 600 V and Ie = 1.2 A or Ue = 240 V and Ie = 3 A or Ue = 120 V and Ie = 6 A **Contact blocks for high power switching:** □ ZBE 50●: A300: Ue = 240 V and Ie = 3 A or Ue = 120 V and Ie = 6 A
		d.c.supply: utilisation category DC-13		**Standard single and double blocks with screw clamp or spring terminals** Q600: Ue = 600 V and Ie = 0.1 A or Ue = 250 V and Ie = 0.27 A or Ue = 125 V and Ie = 0.55 A **Joystick controllers XD5 PA/ZD5 PA:** R300: Ue = 125 V and Ie = 0.22 A or Ue = 250 V and Ie = 0.1 A **Blocks for plug-in connector:** R300: Ue = 125 V and Ie = 0.22 A or Ue = 250 V and Ie = 0.1 A **Standard blocks for printed circuit board connection:** R300: Ue = 125 V and Ie = 0.22 A or Ue = 250 V and Ie = 0.1 A **Special contact blocks:** □ ZBE 201: Q300; Ue = 125 V and Ie = 0.55 A or Ue = 250 V and Ie = 0.27 A □ ZBE 202: Q600; Ue = 600 V and Ie = 0.1 A or Ue = 250 V and Ie = 0.27 A or Ue = 125 V and Ie = 0.55 A **Contact blocks for high power switching:** □ ZBE 50●: P300: Ue = 125 V and Ie = 1.1 A or Ue = 250 V and Ie = 0.55 A
Characteristics of special contact blocks	**Low power switching**		**VA** **A** **V**	P max: 12 I max: 0.1 U max: 24
	High power switching conforming toEN/IEC 60947-5-1	100 000 operating cycles Load factor: 0.5 Operating rate: 900 cycles/hour	**VA** **A** **V**	P max: 240 I max: 10 U: 24 ⎓
Electrical durability Conforming to EN/IEC 60947-5-1 appendix C Operating rate 3600 operating cycles/hour Load factor: 0.5		a.c. supply for 1 million operating cycles utilisation category AC-15		Standard single blocks with screw clamp terminals or spring terminals:
			V **A**	24 | 120 | 230 4 | 3 | 2
				Standard double blocks with screw clamp terminals and blocks for plug-in connector:
			V **A**	24 | 120 | 230 3 | 1.5 | 1
		d.c. supply for 1 million operating cycles utilisation category DC-13		Standard single blocks with screw clamp terminals or spring terminals:
			V **A**	24 | 110 0.5 | 0.2
				Standard double blocks with screw clamp terminals and blocks for plug-in connector:
			V **A**	24 | 110 0.4 | 0.15
Electrical reliability **Failure rate** Conforming to EN/IEC 60947-5-4		In clean environment		Standard blocks: - at 17 V and 5 mA, $\lambda < 10^{-8}$ - at 5 V and 1 mA, $\lambda < 10^{-6}$ Special blocks with gold flashed contacts, for low power switching: - at 5 V and 1 mA, $\lambda < 10^{-7}$
		In dusty environment		Special blocks with gold flashed contacts and dust protection for low power switching only: - at 5 V and 1 mA, $\lambda < 10^{-7}$

General: page 80 | References: page 94 | Dimensions: page 146

Characteristics of illuminated units (pilot lights)

Mechanical characteristics			
Vibration resistance	Conforming to IEC 60068-2-6		Frequency: 12 to 500 Hz: 5 gn
Electric shock resistance	Conforming to IEC 60068-2-27		Half sine wave acceleration 11 ms: 50 gn Half sine wave acceleration 18 ms: 30 gn
Electrical characteristics			
Cabling capacity	Conforming to EN/IEC 60947-1	**mm²**	Screw clamp and spring terminals Min: 1 x 0.2 without cable end (1 x 0.34 for linking) Max: 2 x 1.5 with cable end
Rated insulation voltage	Conforming to EN/IEC 60947-1	**V**	Direct supply pilot light blocks (BA 9s bulb): Ui = 250 degree of pollution 3 Pilot light blocks with integral LED: Ui = 250 degree of pollution 3 Pilot light blocks with transformer: Ui = 600 degree of pollution 3
Rated impulse withstand voltage	Conforming to EN/IEC 60947-1	**kV**	Direct supply pilot light blocks (BA 9s bulb): Uimp = 4 Pilot light blocks with integral LED: Uimp = 4 Pilot light blocks with transformer: Uimp = 6

Specific characteristics of single light blocks with integral LED

Voltage limits	For rated voltage	**V**	12 V: 10 to 15 ⎓; 10.2 to 13.8 ∿ 24 V: 19.2 to15 ⎓; 21.6 to 13.8 ∿ 24 to 120 V: 19.2 to 132 ⎓; 21.6 to 132 ∿ 48 to 120 V: 40 to 132 ∿ 230/240 V: 195 to 264 ∿
Current consumption	Applicable to all colours	**mA**	Blocks with ⎓ 12 V supply: 18 Blocks with ⎓ 24 V supply: 18 Blocks with ∿ 120 V supply: 14 Blocks with ∿ 240 V supply: 14
Service life	At rated voltage and at an ambient temperature of 25 °C	**H**	100 000
Surge withstand	Conforming to IEC 61000-4-5	**kV**	1
Resistance to fast transients	Conforming to IEC 61000-4-4	**kV**	2
Resistance to electromagnetic fields	Conforming to IEC 61000-4-3	**V/m**	10
Resistance to electrostatic discharges	Conforming to IEC 61000-4-2	**kV**	8: in free air, in insulating parts 6: on contact, on metal parts
Direct parallel connection across inductive load e.g.: contactor coil or solenoid	Maximum power of load	**VA**	For high power applications (≥ 30 VA), a **ZBZ V●** LED suppressor must be connected across the light block terminals (see page 121)
Electromagnetic emission	Conforming to IEC 55011		Class B

Specific characteristics

Fixing nut			
Head tightening torque		**N.m**	2.2 (± 0.2)
Hour counters and annunciators			
Voltage limits	Hour counter and annunciator	**V**	± 10% of the nominal voltage
Current consumption	Hour counter	**mA**	XB5 DSB: 7 to 15 XB5 DSG: 8 XB5 DSM: 8
	Annunciator	**mA**	5

General:
page 80

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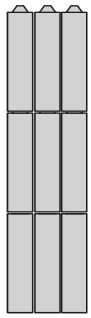
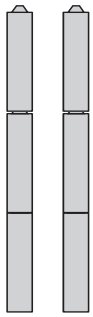
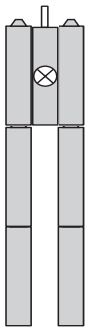
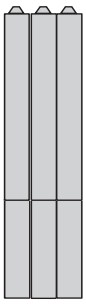
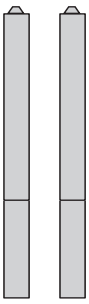
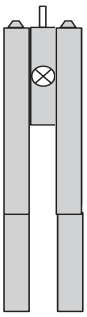
Control and signalling units Ø 22

Harmony® XB5 plastic

Contact mounting - Contact sequence

Maximum recommended configurations guaranteeing achievement of catalogue characteristics

Unit type (complete units XB5 B, heads ZB5 B)	Pushbuttons, spring return XB5 AA●, ZB5 AA●, (except ZB5 AA●8) XB5 AC●, ZB5 AC●, XB5 AL●, ZB5 AL●, XB5 AP●, ZB5 AP●, ZB5 AR● Triple-headed pushbuttons XB5 AA731327, XB5 AA711137, ZB5 AA7313●, ZB5 AA7111●, ZB5 AA72124, ZB5 AA791	Double-headed pushbuttons XB5 AL73415, ZB5 AA712●, ZB5 A●734●, ZB5 AA79	Illuminated pushbuttons, spring return XB5 AW●, ZB5 AW●, ZB5 AA●8 Double-headed pushbuttons + pilot light block XB5 AW73731●5, ZB5 AW7A17●●, ZB5 AW7●374●, ZB5 AW7A9	
Solution using single contacts				
Solution using single and double contacts				
Maximum recommended configurations – Single contacts	9	6	6	
Maximum recommended configurations – Double contacts + Single contacts	3 + 3	2 + 2	2 + 2	
Maximum recommended configurations – Light block	–	–	1	

Single contact

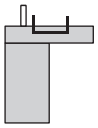
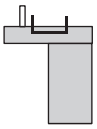
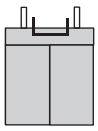
Double contact

Light block

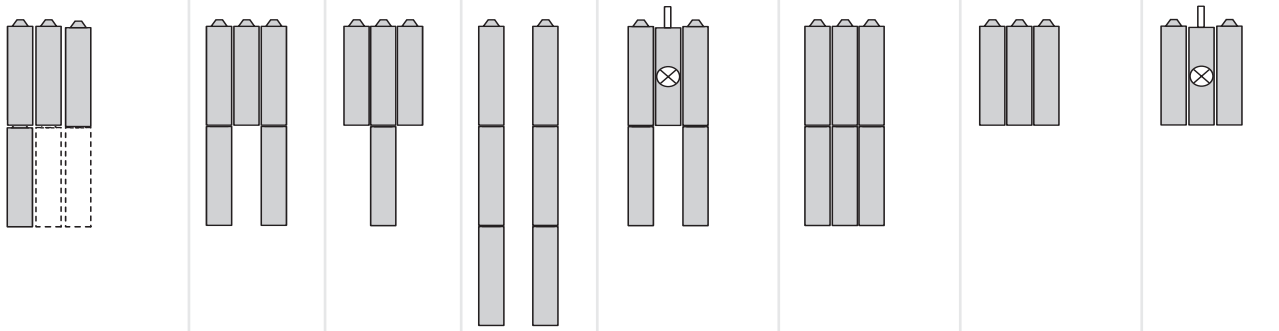
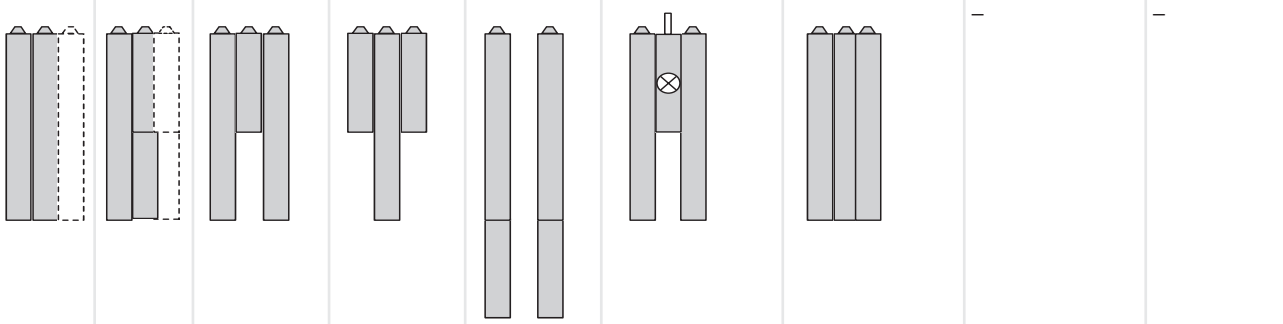
Possible location

Possible configurations for high power switching contacts *(1) (2)*

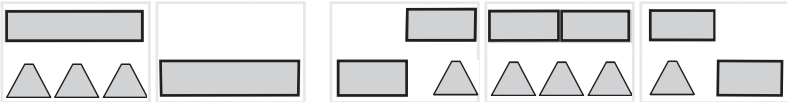
High power switching contact blocks with screw clamp terminal connections :
ZBE 501, ZBE 502, ZBE 503, ZBE 504 and ZBE 505
High power switching contact blocks with connection by Faston connectors
ZBE 5013, ZBE 5023, ZBE 5033, ZBE 5043 and ZBE 5053

		
1 N/O	1 N/C	1 N/O + N/C 1 N/O + N/O 1 N/C + N/C

(1) The configurations are not upgradable and cannot be combined with other types of contact and signalling functions.
(2) High power switching contacts are not compatible with Harmony triple-headed pushbuttons.

	Emergency stop or Emergency switching off XB5 AT●, ZB5 AT●, XB5 AS●, ZB5 AS●		Selector switches XB5 AD●, ZB5 AD●, ■ Standard handle XB5 AJ●, ZB5 AJ●, ■ Long handle ZB5 AD●9, ■ Key switch XB5 AG●, ZB5 AG●			Illuminated selector switches with standard handle XB5 AK●, ZB5 AK● Illuminated Emergency Stop ZB5 AT8643M, ZB5 AW743	Toggle switches ZB5 AD●8 Pushbuttons, push-turn to release, knurled operator ZB5 AF●, or lockable ZB5 FAD●	Pushbuttons, push-push ZB5 AH●	Illuminated pusbuttons, push-push ZB5 AH●3
									
								–	–
	4	4	5	4	6	4	6	3	2
	2 + 0	1 + 2	2 + 1	1 + 2	2 + 2	2 + 0	3 + 0	–	–
	–	–	–	–	–	1	–	–	1

Sequence of contacts fitted to selector switch bodies

Unit type			Selector switches												
			2-position						3-position						
			315°			45°			315°			0°			45°
Push	Position	Top													
		Bottom													
	Location		L	C	R	L	C	R	L	C	R	L	C	R	L	C	R
	State		0	0	0	1	1	1	1	1	0	0	0	0	0	1	1
Contacts	N/O		□	□	□	■	■	■	■	■	□	□	□	□	□	■	■
	N/C		■	■	■	□	□	□	□	□	■	■	■	■	■	□	□

L left, C centre, R right

□ open, ■ closed

Control and signalling units Ø 22

Harmony® XB5, plastic

Spring return pushbuttons, unmarked

Assembly of other products using:
body/contact assemblies: see page 120
accessories: see pages 132 and 136

563455

XB5 AA31

814416

ZB5 AA0

814417

ZB5 AA5

101351

ZB5 AA68

814421

ZB5 CA5

Pushbuttons with flush push *(1)*
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Type of push	Type of contact N/O	Type of contact N/C	Colour of push	Reference	Weight kg
Complete units						
	Flush	1	–	White	**XB5 AA11** (ZB5 AZ101 + ZB5 AA1)	0.037
				Black	**XB5 AA21** (ZB5 AZ101 + ZB5 AA2)	0.037
				Green	**XB5 AA31** (ZB5 AZ101 + ZB5 AA3)	0.037
				Yellow	**XB5 AA51** (ZB5 AZ101 + ZB5 AA5)	0.037
				Blue	**XB5 AA61** (ZB5 AZ101 + ZB5 AA6)	0.037
		–	1	Red	**XB5 AA42** (ZB5 AZ102 + ZB5 AA4)	0.037
Heads only, circular						
	Without cap *(2)*			–	**ZB5 AA0**	0.022
	Flush, with set of 6 coloured caps			6 colours *(3)*	**ZB5 AA9**	0.027
	Flush			White	**ZB5 AA1**	0.018
				Black	**ZB5 AA2**	0.018
				Green	**ZB5 AA3**	0.018
				Red	**ZB5 AA4**	0.018
				Yellow	**ZB5 AA5**	0.018
				Blue	**ZB5 AA6**	0.018
				Grey	**ZB5 AA8**	0.018
	Flush with transparent cap for insertion of legend *(4)*			White	**ZB5 AA18**	0.018
				Green	**ZB5 AA38**	0.018
				Red	**ZB5 AA48**	0.018
				Yellow	**ZB5 AA58**	0.018
				Blue	**ZB5 AA68**	0.018
	Flush (high bezel)			White	**ZB5 AA14**	0.020
				Black	**ZB5 AA24**	0.020
				Green	**ZB5 AA34**	0.020
				Red	**ZB5 AA44**	0.020
				Yellow	**ZB5 AA54**	0.020
				Blue	**ZB5 AA64**	0.020
Heads only, square						
	Without cap *(2)*			–	**ZB5 CA0**	0.022
	Flush			White	**ZB5 CA1**	0.019
				Black	**ZB5 CA2**	0.019
				Green	**ZB5 CA3**	0.019
				Red	**ZB5 CA4**	0.019
				Yellow	**ZB5 CA5**	0.019
				Blue	**ZB5 CA6**	0.019

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 92.
(2) Coloured cap to be ordered separately: see page 132.
(3) Head supplied with 6 different coloured caps (white, black, green, red, yellow, blue) not fitted.
(4) For legend ordering information, see page 136.

Control and signalling units Ø 22

Harmony® XB5, plastic

Spring return pushbuttons, unmarked

Assembly of other products using:
body/contact assemblies: see page 120
accessories: see pages 132 and 136

ZB5 AA16

109500

ZB5 CA16

Pushbuttons with recessed push *(1)*
High guard

Shape of head	Type of push	Colour	Reference	Weight kg
Heads only, circular				
	Recessed (high guard)	White	**ZB5 AA16**	0.020
		Black	**ZB5 AA26**	0.020
		Green	**ZB5 AA36**	0.020
		Red	**ZB5 AA46**	0.020
		Yellow	**ZB5 AA56**	0.020
		Blue	**ZB5 AA66**	0.020
Heads only, square				
	Recessed (high guard)	White	**ZB5 CA16**	0.012
		Black	**ZB5 CA26**	0.012
		Green	**ZB5 CA36**	0.012
		Red	**ZB5 CA46**	0.012
		Yellow	**ZB5 CA56**	0.012
		Blue	**ZB5 CA66**	0.012

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 92.

General : page 80
Characteristics : page 88
Dimensions : page 146

Control and signalling units Ø 22

Harmony® XB5, plastic

Spring return pushbuttons, unmarked

Assembly of other products using:
body/contact assemblies: see page 120
accessories: see pages 132 and 136

563458

XB5 AL42

814418

ZB5 AL3

110280

ZB5 CL1

Pushbuttons with projecting push *(1)*
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Type of push	Type of contact N/O	Type of contact N/C	Colour of push	Reference	Weight kg
Complete units						
	Projecting	–	1	Red	**XB5 AL42** (ZB5 AZ102 + ZB5 AL4)	0.038
Heads only, circular						
	Projecting			White	**ZB5 AL1**	0.019
				Black	**ZB5 AL2**	0.019
				Green	**ZB5 AL3**	0.019
				Red	**ZB5 AL4**	0.019
				Yellow	**ZB5 AL5**	0.019
				Blue	**ZB5 AL6**	0.019
Heads only, square						
	Projecting			White	**ZB5 CL1**	0.021
				Black	**ZB5 CL2**	0.021
				Green	**ZB5 CL3**	0.021
				Red	**ZB5 CL4**	0.021
				Yellow	**ZB5 CL5**	0.021
				Blue	**ZB5 CL6**	0.021

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 92.

Control and signalling units Ø 22

Harmony® XB5, plastic

Spring return pushbuttons, unmarked

Assembly of other products using:
body/contact assemblies: see page 120
combined sub-assemblies: see page 126
accessories: see page 136

563457

XB5 AP51

110267

ZB5 AP4

525564

ZB5 AP2S

109499

ZB5 AP183

Pushbuttons with booted head *(1)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Type of push	Type of contact N/O	Type of contact N/C	Colour of push	Reference	Weight kg
Complete units						
	Booted, clear silicone (colour of push unobscured)	1	–	Black	**XB5 AP21** (ZB5 AZ101 + ZB5 AP2)	0.039
				Green	**XB5 AP31** (ZB5 AZ101 + ZB5 AP3)	0.039
				Yellow	**XB5 AP51** (ZB5 AZ101 + ZB5 AP5)	0.039
				Blue	**XB5 AP61** (ZB5 AZ101 + ZB5 AP6)	0.039
		–	1	Red	**XB5 AP42** (ZB5 AZ102 + ZB5 AP4)	0.039
Silicone booted heads only, with increased protection (IP 69K)						
Flush	**Clear boot** *(2)* For insertion of protected legend within head *(3)*			White	**ZB5 AP18**	0.023
				Green	**ZB5 AP38**	0.023
				Red	**ZB5 AP48**	0.023
				Yellow	**ZB5 AP58**	0.023
				Blue	**ZB5 AP68**	0.023
Projecting	**Clear boot** *(2)*			White	**ZB5 AP1**	0.014
				Black	**ZB5 AP2**	0.014
				Green	**ZB5 AP3**	0.014
				Red	**ZB5 AP4**	0.014
				Yellow	**ZB5 AP5**	0.014
				Blue	**ZB5 AP6**	0.014
Silicone booted heads only, standard for mouting with legend holder (IP 66)						
Flush	**Coloured boot** *(4)*			White	**ZB5 AP1S**	0.021
				Black	**ZB5 AP2S**	0.021
				Green	**ZB5 AP3S**	0.021
				Red	**ZB5 AP4S**	0.021
				Yellow	**ZB5 AP5S**	0.021
				Blue	**ZB5 AP6S**	0.021
	Clear membrane *(4)* For insertion of protected legend within head *(3)*			White	**ZB5 AP183**	0.010
				Green	**ZB5 AP383**	0.010
				Red	**ZB5 AP483**	0.010
				Yellow	**ZB5 AP583**	0.010
				Blue	**ZB5 AP683**	0.010

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 92.
(2) Permissible panel thickness 1 to 5 mm, cannot be used with legend holders.
(3) To order a legend for insertion within the head, see page 141.
(4) Replacement of silicone protection element without dismantling head, see page 134.

Control and signalling units Ø 22

Harmony® XB5, plastic

Spring return pushbuttons, with marking

Assembly of other products using:
body/contact assemblies: see page 120
accessories: see pages 132 and 136

563456

XB5 AA4322

814428

ZB5 AA331

814429

ZB5 AA432

110316

ZB5 CA432

814430

ZB5 AL232

Pushbuttons with flush or projecting push *(1)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Type of push	Type of contact N/O	Type of contact N/C	Marking Text (colour)	Colour of push	Reference	Weight kg
Complete units							
	Flush	1	–	"I" (white)	Green	**XB5 AA3311** (ZB5 AZ101 + ZB5 AA331)	0.037
	Flush	–	1	"O" (white)	Red	**XB5 AA4322** (ZB5 AZ102 + ZB5 AA432)	0.037
	Projecting	–	1	"O" (white)	Red	**XB5 AL4322** (ZB5 AZ102 + ZB5 AL432)	0.037
	Flush *(2)*	1	–	↑ (black)	White	**XB5 AA3341** (ZB5 AZ101 + ZB5 AA334)	0.037
	Flush *(2)*	1	–	↓ (white)	Black	**XB5 AA3351** (ZB5 AZ101 + ZB5 AA335	0.037
Heads only, circular							
	Flush			"I" (white)	Green	**ZB5 AA331**	0.018
				"I" (black)	White	**ZB5 AA131**	0.018
				"II" (white)	Green	**ZB5 AA336**	0.018
				"II" (black)	White	**ZB5 AA136**	0.018
				"START" (white)	Green	**ZB5 AA333**	0.018
				"START" (black)	White	**ZB5 AA133**	0.018
				"ON" (white)	Green	**ZB5 AA341**	0.018
				"ON" (black)	White	**ZB5 AA141**	0.018
				"MARCHE" (white)	Green	**ZB5 AA342**	0.018
				"MARCHE" (black)	White	**ZB5 AA142**	0.018
				(white)	Black	**ZB5 AA245**	0.018
				(black)	White	**ZB5 AA145**	0.018
				"O" (white)	Red	**ZB5 AA432**	0.018
					Black	**ZB5 AA232**	0.018
				"ARRET" (white)	Red	**ZB5 AA433**	0.018
					Black	**ZB5 AA233**	0.018
				"STOP" (white)	Red	**ZB5 AA434**	0.018
					Black	**ZB5 AA234**	0.018
				"OFF" (white)	Red	**ZB5 AA435**	0.018
					Black	**ZB5 AA235**	0.018
				UP (black)	White	**ZB5 AA343**	0.018
				Down (white)	Black	**ZB5 AA344**	0.018
				↑ (black) *(2)*	White	**ZB5 AA334**	0.018
				↓ (white) *(2)*	Black	**ZB5 AA335**	0.018
Heads only, square							
	Flush *(2)*			"I" (white)	Green	**ZB5 CA331**	0.019
				"O" (white)	Red	**ZB5 CA432**	0.019
				"+" (white)	Black	**ZB5 CA2934**	0.019
				↑ (white)	Black	**ZB5 CA2912**	0.019
				"R" (white)	Blue	**ZB5 CA6939**	0.019
Heads only, circular							
	Projecting *(2)*			"O" (white)	Red	**ZB5 AL432**	0.019
					Black	**ZB5 AL232**	0.019
				"ARRET" (white)	Red	**ZB5 AL433**	0.019
					Black	**ZB5 AL233**	0.019
				"STOP" (white)	Red	**ZB5 AL434**	0.019
					Black	**ZB5 AL234**	0.019
				"OFF" (white)	Red	**ZB5 AL435**	0.019
					Black	**ZB5 AL235**	0.019

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 92.
(2) Product supplied with cap not clipped-in, allowing orientation through 360° in 90° steps.

General : page 80
Characteristics : page 88
Dimensions : page 146

Control and signalling units Ø 22

Harmony® XB5, plastic

Illuminated pushbuttons, spring return, with integral LED

Assembly of other products using:
body/contact assemblies: see page 120
accessories: see pages 132 and 136

814396

XB5 AW31B5

814396

XB5 AW34G5

Illuminated pushbuttons with flush push *(1)*
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Description	Type of contact N/O	Type of contact N/C	Supply voltage V	Colour of push	Reference	Weight kg
Complete units - With plain lens							
	Integral LED	1	1	⎓ 24 50/60 Hz	White	**XB5 AW31B5** (ZB5 AW0B15 + ZB5 AW313)	0.056
					Green	**XB5 AW33B5** (ZB5 AW0B35 + ZB5 AW333)	0.056
					Red	**XB5 AW34B5** (ZB5 AW0B45 + ZB5 AW343)	0.056
					Orange	**XB5 AW35B5** (ZB5 AW0B55 + ZB5 AW353)	0.056
					Blue	**XB5 AW36B5** (ZB5 AW0B65 + ZB5 AW363)	0.056
				∼ 110...120 50/60 Hz	White	**XB5 AW31G5** (ZB5 AW0G15 + ZB5 AW313)	0.056
					Green	**XB5 AW33G5** (ZB5 AW0G35 + ZB5 AW333)	0.056
					Red	**XB5 AW34G5** (ZB5 AW0G45 + ZB5 AW343)	0.056
					Orange	**XB5 AW35G5** (ZB5 AW0G55 + ZB5 AW353)	0.056
					Blue	**XB5 AW36G5** (ZB5 AW0G65 + ZB5 AW363)	0.056
				∼ 230…240 50/60 Hz	White	**XB5 AW31M5** (ZB5 AW0M15 + ZB5 AW313)	0.056
					Green	**XB5 AW33M5** (ZB5 AW0M35 + ZB5 AW333)	0.056
					Red	**XB5 AW34M5** (ZB5 AW0M45 + ZB5 AW343)	0.056
					Orange	**XB5 AW35M5** (ZB5 AW0M55 + ZB5 AW353)	0.056
					Blue	**XB5 AW36M5** (ZB5 AW0M65 + ZB5 AW363)	0.056

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 92.

General : page 80
Characteristics : page 88
Dimensions : page 146

Control and signalling units Ø 22

Harmony® XB5, plastic

Illuminated pushbuttons, spring return, with integral LED

Assembly of other products using:
combined sub-assemblies: see page 126
accessories: see page 136

Illuminated pushbuttons with flush push *(1)*

Shape of head	Type of push	Colour	Reference	Weight (kg)
Heads only, circular *(2)* **- With plain lens**				
	Flush	White	**ZB5 AW313**	0.017
		Green	**ZB5 AW333**	0.017
		Red	**ZB5 AW343**	0.017
		Orange	**ZB5 AW353**	0.017
		Blue	**ZB5 AW363**	0.017
	Flush with illuminated ring	White	**ZB5 AW913**	0.016
		Green	**ZB5 AW933**	0.016
		Red	**ZB5 AW943**	0.016
		Orange	**ZB5 AW953**	0.016
		Blue	**ZB5 AW963**	0.016
	Flush with clear boot	White	**ZB5 AW513**	0.019
		Green	**ZB5 AW533**	0.019
		Red	**ZB5 AW543**	0.019
		Orange	**ZB5 AW553**	0.019
		Blue	**ZB5 AW563**	0.019
	Flush for insertion of legend *(3)*	White	**ZB5 AA18**	0.018
		Green	**ZB5 AA38**	0.018
		Red	**ZB5 AA48**	0.018
		Orange	**ZB5 AA58**	0.018
		Blue	**ZB5 AA68**	0.018
Heads only, circular *(2)* **- With grooved lens** *(4)*				
	Flush	White	**ZB5 AW313S**	0.017
		Green	**ZB5 AW333S**	0.017
		Red	**ZB5 AW343S**	0.017
		Orange	**ZB5 AW353S**	0.017
		Blue	**ZB5 AW363S**	0.017
Heads only, square *(2)*				
	Flush (legend can be inserted)	White	**ZB5 CW313**	0.023
		Green	**ZB5 CW333**	0.023
		Red	**ZB5 CW343**	0.023
		Orange	**ZB5 CW353**	0.023
		Blue	**ZB5 CW363**	0.023
	Flush (high guard)	White	**ZB5 CW3136**	0.014
		Green	**ZB5 CW3336**	0.014
		Red	**ZB5 CW3436**	0.014
		Orange	**ZB5 CW3536**	0.014
		Blue	**ZB5 CW3636**	0.014

814556

ZB5 AW313

814557

ZB5 AW363

110406

ZB5 CW313

109498

ZB5 CW3136

Illuminated pushbuttons with projecting push *(1)*

Shape of head	Type of push	Colour	Reference	Weight (kg)
Heads only, circular *(2)* **- With plain lens**				
	Projecting	White	**ZB5 AW113**	0.018
		Green	**ZB5 AW133**	0.018
		Red	**ZB5 AW143**	0.018
		Orange	**ZB5 AW153**	0.018
		Blue	**ZB5 AW163**	0.018
Heads only, circular *(2)* **- With grooved lens** *(4)*				
	Projecting	White	**ZB5 AW113S**	0.017
		Green	**ZB5 AW133S**	0.017
		Red	**ZB5 AW143S**	0.017
		Orange	**ZB5 AW153S**	0.017
		Blue	**ZB5 AW163S**	0.017
Heads only, square *(2)*				
	Projecting (legend can be inserted)	White	**ZB5 CW113**	0.024
		Green	**ZB5 CW133**	0.024
		Red	**ZB5 CW143**	0.024
		Orange	**ZB5 CW153**	0.024
		Blue	**ZB5 CW163**	0.024

814555

ZB5 AW143

110412

ZB5 CW143

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 92.
(2) Only for use with bodies comprising a light source with integral LED.
(3) For legend ordering information, see page 136.
(4) For use in bright ambient light conditions (outdoors in sunlight, for example).

General : page 80
Characteristics : page 88
Dimensions : page 146

Control and signalling units Ø 22

Harmony® XB5, plastic

Illuminated pushbuttons, spring return, with BA 9s base fitting

Assembly of other products using:
combined sub-assemblies: see page 126
accessories: see page 136

523844

XB5 AW3465

563461

XB5 AW3335

814559

ZB5 AW33

Illuminated pushbuttons with flush push *(1)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Description	Type of contact N/O	Type of contact N/C	Supply voltage V	Colour of push	Reference	Weight kg
Complete units - With plain lens							
	Direct supply for bulb with BA 9s base fitting, 2.4 W max, **(bulb not included)**	1	1	≤ 250	White	**XB5 AW3165** (ZB5 AW065 + ZB5 AW31)	0.057
					Green	**XB5 AW3365** (ZB5 AW065 + ZB5 AW33)	0.057
					Red	**XB5 AW3465** (ZB5 AW065 + ZB5 AW34)	0.057
					Orange	**XB5 AW3565** (ZB5 AW065 + ZB5 AW35)	0.057
	Via integral transformer 1.2 VA, 6 V secondary, incandescent bulb with BA 9s base fitting, **(bulb included)**	1	1	∼ 110…120 50/60 Hz	White	**XB5 AW3135** (ZB5 AW035 + ZB5 AW31)	0.128
					Green	**XB5 AW3335** (ZB5 AW035 + ZB5 AW33)	0.128
					Red	**XB5 AW3435** (ZB5 AW035 + ZB5 AW34)	0.128
					Orange	**XB5 AW3535** (ZB5 AW035 + ZB5 AW35)	0.128
				∼ 230 50 Hz ∼ 220…240 60 Hz	White	**XB5 AW3145** (ZB5 AW045 + ZB5 AW31)	0.129
					Green	**XB5 AW3345** (ZB5 AW045 + ZB5 AW33)	0.129
					Red	**XB5 AW3445** (ZB5 AW045 + ZB5 AW34)	0.129
					Orange	**XB5 AW3545** (ZB5 AW045 + ZB5 AW35)	0.129
Heads only *(2)* **- With plain lens**							
	Flush				White	**ZB5 AW31**	0,018
					Green	**ZB5 AW33**	0,018
					Red	**ZB5 AW34**	0,018
					Orange	**ZB5 AW35**	0,018
					Blue	**ZB5 AW36**	0,018
					Clear	**ZB5 AW37**	0,018
Heads only *(2)* **- With grooved lens** *(3)*							
	Flush				White	**ZB5 AW31S**	0.018
					Green	**ZB5 AW33S**	0.018
					Red	**ZB5 AW34S**	0.018
					Orange	**ZB5 AW35S**	0.018
					Blue	**ZB5 AW36S**	0.018
					Clear	**ZB5 AW37S**	0.018

Illuminated pushbuttons with projecting push *(1)*

Heads only *(2)* **- With plain lens**							
	Projecting				White	**ZB5 AW11**	0.017
					Green	**ZB5 AW13**	0.017
					Red	**ZB5 AW14**	0.017
					Orange	**ZB5 AW15**	0.017
					Blue	**ZB5 AW16**	0.017
					Clear	**ZB5 AW17**	0.017
Heads only *(2)* **- With grooved lens** *(3)*							
	Projecting				White	**ZB5 AW11S**	0.018
					Green	**ZB5 AW13S**	0.018
					Red	**ZB5 AW14S**	0.018
					Orange	**ZB5 AW15S**	0.018
					Blue	**ZB5 AW16S**	0.018
					Clear	**ZB5 AW17S**	0.018

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 92.
(2) Only for use with bodies comprising a light source with BA9s base fitting bulb (incandescent, neon or LED).
(3) For use in bright ambient light conditions (outdoors in sunlight, for example).

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Dimensions : page 146

Control and signalling units Ø 22

Harmony® XB5 plastic

Multiple-headed pushbuttons, spring return

User assembly of other units, using:
body-contacts assemblies: see page 120
combined sub-assemblies: see page 126

Double-headed pushbuttons *(1)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Description	Type of contact N/O	Type of contact N/C	Colour and marking of caps *(2)*	Reference	Weight kg
Complete units						
	2 pushes (1 flush black + 1 projecting red)	1	1	White "I" on green background White "0" on red background	**XB5 AL73415** n	0.053
Heads only						
	2 flush black pushes			White background + black background, unmarked	**ZB5 AA7120** n	0.023
				Black "I" on white background White "0" on black background	**ZB5 AA7121** n	0.023
				Green background + red background, unmarked	**ZB5 AA7340** n	0.023
				White "I" on green background White "0" on red background	**ZB5 AA7341** n	0.023
				Without cap *(3)*	**ZB5 AA79** n	0.023
	1 flush black push 1 projecting red push			Green background + red background, unmarked	**ZB5 AL7340** n	0.023
				White "I" on green background White "0" on red background	**ZB5 AL7341** n	0.023

569133 — *XB5 AL73415*

569135 — *ZB5 AA7121*

569137 — *ZB5 AL7341*

Double-headed pushbuttons + 1 white central pilot light block *(1)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Description	Type of contact N/O	Type of contact N/C	Colour and marking of caps *(2)*	Pilot light voltage V	Reference	Weight kg
Complete units							
Protected LED	**1 flush black push 1 projecting red push 1 white central pilot light block**	1	1	White "I" on green background White "0" on red background	24	**XB5 AW73731B5** n	0.066
					120	**XB5 AW73731G5** n	0.066
					240	**XB5 AW73731M5** n	0.066
Heads only *(5)*							
Protected LED	**2 flush black pushes 1 clear central pilot light** *(4)*			White background + black background, unmarked		**ZB5 AW7A1720** n	0.023
				Black "I" on white background White "0" on black background		**ZB5 AW7A1721** n	0.023
				Green background + red background, unmarked		**ZB5 AW7A3740** n	0.023
				White "I" on green background White "0" on red background		**ZB5 AW7A3741** n	0.023
				Black "⬆" on white background White "⬇" on black background		**ZB5 AW7A1724** n	0.023
				Black "+" on white background Black "–" on white background		**ZB5 AW7A1715** n	0.023
				Without cap *(3)*		**ZB5 AW7A9** n	0.023
Protected LED	**1 flush black push 1 projecting red push 1 clear central pilot light** *(4)*			Green background + red background, unmarked		**ZB5 AW7L3740** n	0.023
				White "I" on green background White "0" on red background		**ZB5 AW7L3741** n	0.023

569139 — *XB5 AW73731●5*

569141 — *ZB5 AW7A1721*

569149 — *ZB5 AW7A3741*

(1) *Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 92.*
(2) These caps are fitted by Schneider Electric and cannot be removed (risk of damage).
(3) Caps to be ordered separately: see page opposite.
(4) Colour of centrally positioned pilot light determined by the colour of the LED incorporated in the body sub-assembly.
5) Only for use with bodies comprising a light source with integral LED.

n New

General : page 80
Characteristics : page 88
Dimensions : page 146

Schneider Electric

Control and signalling units Ø 22

Harmony® XB5 plastic

Multiple-headed pushbuttons, spring return

User assembly of other units, using:
body-contacts assemblies: see page 120
combined sub-assemblies: see page 126

Triple-headed pushbuttons *(1) (2)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Description	Type of contact N/O	Type of contact N/C	Type of contact N/O	Colour and marking of caps *(3)*	Reference	Weight kg
Complete units							
	2 flush black pushes + 1 central projecting red push marked "Stop" in white	1	1	1	White "I" on green background White "II" on green background	**XB5 AA731327** n	0.063
					Black "➡" on white background White "⇦" on black background	**XB5 AA711237** n	0.063
Heads only							
	2 flush black pushes + 1 central projecting red push marked "Stop" in white				White "I" on green background White "II" on green background	**ZB5 AA73132** n	0.023
					White "⇦" on green background White "⇨" on green background	**ZB5 AA73133** n	0.023
					White "⇧" on green background White "⇩" on green background	**ZB5 AA73134** n	0.023
					White "+" on green background White "–" on green background	**ZB5 AA73135** n	0.023
					Black "+" on white background Black "–" on white background	**ZB5 AA71115** n	0.023
					Black "➡" on white background White "⇦" on black background	**ZB5 AA71123** n	0.023
					Black "⬆" on white background White "⇩" on black background	**ZB5 AA71124** n	0.023
					White "⇧" on black background White "⇩" on black background	**ZB5 AA72124** n	0.023
					Without cap *(4)*	**ZB5 AA791** n	0.023

XB5 AA731327

ZB5 AA73133

ZB5 AA71124

Specific accessories for multiple-headed pushbuttons

Description	Background colour	Marking	Sold in lots of	Reference	Weight kg
Caps only for clip-on mounting on double or triple-headed pushbuttons *(5)*	White	Unmarked	10	**ZBA 71** n	0.010
		"I" black	10	**ZBA 7131** n	0.010
		"⬆" black	10	**ZBA 7134** n	0.010
		"+" black	10	**ZBA 7138** n	0.010
	Black	Unmarked	10	**ZBA 72** n	0.010
		"O" white	10	**ZBA 7232** n	0.010
		"+" white	10	**ZBA 7233** n	0.010
		"⇩" white	10	**ZBA 7235** n	0.010
		"I" white	10	**ZBA 7237** n	0.010
	Green	Unmarked	10	**ZBA 73** n	0.010
		"I" white	10	**ZBA 7331** n	0.010
		"+" white	10	**ZBA 7333** n	0.010
		"⇧" white	10	**ZBA 7335** n	0.010
		"II" white	10	**ZBA 7336** n	0.010
	Red	Unmarked	10	**ZBA 74** n	0.010
		"O" white	10	**ZBA 7432** n	0.010
	Yellow	Unmarked	10	**ZBA 75** n	0.010
	Blue	Unmarked	10	**ZBA 76** n	0.010
Clear silicone boots *(6)*	For 2 flush pushes	–	10	**ZBA 708** n	0.055
	For 3 pushes	–	10	**ZBA 709** n	0.055
	For 1 flush push + 1 projecting push	–	10	**ZBA 710** n	0.055

ZBA 7235

ZBA 7331

ZBA 7432

ZBA 709

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 92.
(2) Not compatible with high power switching contacts and contacts for printed circuit board.
(3) These caps are fitted by Schneider Electric and cannot be removed (risk of damage).
(4) Caps to be ordered separately: see accessories on this page.
(5) Can be clipped-in at 90° steps, through 360°.
(6) Can be replaced without dismantling the head.

n New

Control and signalling units Ø 22

Harmony® XB5, plastic

Mushroom head pushbuttons, spring return

Assembly of other products using:
body/contact assemblies: see page 120
accessories: see page 136

Mushroom head pushbuttons *(1) (2)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Type of push	Type of contact N/O	Type of contact N/C	Push Ø (mm)	Colour	Reference	Weight kg
Complete units							
	Mushroom head	1	–	40	Black	**XB5 AC21** (ZB5 AZ101 + ZB5 AC2)	0.062
Heads only							
	Mushroom head			30	Black	**ZB5 AC24**	0.027
					Green	**ZB5 AC34**	0.027
					Red	**ZB5 AC44**	0.027
					Yellow	**ZB5 AC54**	0.027
					Blue	**ZB5 AC64**	0.027
				40	Black	**ZB5 AC2**	0.046
					Green	**ZB5 AC3**	0.046
					Red	**ZB5 AC4**	0.046
					Yellow	**ZB5 AC5**	0.046
					Blue	**ZB5 AC6**	0.046
				60	Black	**ZB5 AR2**	0.065
					Green	**ZB5 AR3**	0.065
					Red	**ZB5 AR4**	0.065
					Yellow	**ZB5 AR5**	0.065
					Blue	**ZB5 AR6**	0.065
				60 *(3)* Hemispherical	Black	**ZB5 AR216**	0.048
					Green	**ZB5 AR316**	0.048
					Red	**ZB5 AR416**	0.048
					Yellow	**ZB5 AR516**	0.048
					Blue	**ZB5 AR616**	0.048

563459

XB5 AC21

814444

ZB5 AC24

814445

ZB5 AC2

814446

ZB5 AR4

540160

ZB5 AR216

(1) These pushbuttons and heads cannot be used for an Emergency Stop function.
Therefore, it is recommended that a legend with a black or white background is used.
(2) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 92.
(3) Ergonomic product used in two-handed control applications. Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head: 6.

Control and signalling units Ø 22

Harmony® XB5, plastic

Mushroom head pushbuttons, latching

Assembly of other products using:
body/contact assemblies: see page 120
accessories: see page 136

Mushroom head pushbuttons *(1) (2)*

110354
ZB5 AT2

53558
ZB5 AS62

523835
ZB5 AS72

Shape of head	Type of reset	Push Ø (mm)	Colour	Reference	Weight kg
Heads only					
	Push-pull	30	Black	**ZB5 AT24**	0.044
		40	Black	**ZB5 AT2**	0.049
		60	Black	**ZB5 AX2**	0.067
	Turn to release	30	Black	**ZB5 AS42**	0.040
		40	Black	**ZB5 AS52**	0.044
		40	Yellow	**ZB5 AS55**	0.044
		60	Black	**ZB5 AS62**	0.064
	Key release (key n° 455) (2 keys included with head) *(3)* *(5)*	30	Black	**ZB5 AS72**	0.040
		40	Black	**ZB5 AS12** *(4)*	0.044
		60	Black	**ZB5 AS22**	0.064

Illuminated mushroom head pushbuttons *(2)*

103547
ZB5 AW733

Shape of head	Type of reset	Push Ø (mm)	Colour	Reference	Weight kg
Heads only *(6)*					
	Turn to release	40	White	**ZB5 AW713**	0.022
			Green	**ZB5 AW733**	0.022
			Orange	**ZB5 AW753**	0.022
			Blue	**ZB5 AW763**	0.022

(1) These pushbuttons and heads cannot be used for an Emergency Stop function.
Therefore, it is recommended that a legend with a black or white background is used.
(2) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 92.
(3) For specific keys with other numbers, please consult your Regional Sales Office.
(4) Other key numbers:
*- key n° 421E: add suffix **12** to the reference.*
*- key n° 458A: add suffix **10** to the reference.*
*- key n° 520E: add suffix **14** to the reference.*
*- key n° 3131A: add suffix **20** to the reference.*
*Example: To order a Ø 40 black mushroom head for a latching pushbutton, with release by key n° 421E, the reference becomes: **ZB5 AS1212**.*
(5) The symbol indicates key withdrawal position(s).
(6) Only for use with bodies comprising a light source with integral LED.

Control and signalling units Ø 22

Harmony® XB5, plastic
Emergency stop devices
Conforming to EN/IEC 60204-1 and EN/ISO 13850:2006 and Machinery Directive 98/37/EC

Assembly of other products using:
body/contact assemblies: see page 120
combined sub-assemblies: see page 126
accessories: see pages 141 and 142

Mushroom head Emergency stop trigger action and mechanical latching pushbuttons conform to standards EN/IEC 60204-1 and EN/ISO 13850:2006, to Machinery Directive 98/37/EC and to standard EN/IEC 60947-5-5. Please consult your Regional Sales Office for a full explanation of these standards and directives.

107183

XB5 AT845

523852

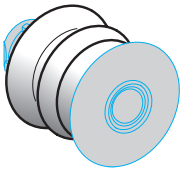
XB5 AS8445

563449

XB5 AS9445

523853

ZB5 AS844


ZBZ ●8

523854

ZB5 AT8643M

Emergency stop trigger action and mechanical latching pushbuttons *(1) (2)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Complete units

Shape of head	Type of reset	Type of contact N/O	Type of contact N/C	Push Ø (mm)	Colour	Reference	Weight kg
	Push-pull	1	1	40	Red	**XB5 AT845** (ZB5 AZ105 + ZB5 AT84)	0.076
	Turn to release	1	1	40	Red	**XB5 AS8445** (ZB5 AZ105 + ZB5 AS844)	0.072
		–	2	40	Red	**XB5 AS8444** (ZB5 AZ104 + ZB5 AS844)	0.072
	Key release (key n° 455) *(3)*	1	1	40	Red	**XB5 AS9445** (ZB5 AZ105 + ZB5 AS944)	0.112

Heads only

Shape of head	Type of reset	Push Ø (mm)	Colour	Reference	Weight kg
	Push-pull	30	Red	**ZB5 AT844** ▲	0.050
		40	Red	**ZB5 AT84**	0.050
		60	Red	**ZB5 AX84**	0.050
	Turn to release	30	Red	**ZB5 AS834**	0.042
		40	Red	**ZB5 AS844**	0.046
	Key release (key n° 455) 2 keys included with head *(5)* *(3)*	30	Red	**ZB5 AS934**	0.068
		40	Red	**ZB5 AS944** *(4)*	0.071
		60	Red	**ZB5 AS964**	0.092
	Key release (key n° 4A185) *(5)*	40	Red	**ZB5 AS944D**	0.071

Bellows for harsh environments (IP 69K)

For use in	Material	Colour	Sold in lots of	Unit reference	Weight kg
Environments subject to humidity, dust, high pressure cleaning, etc.	Silicone	Red	2	**ZBZ 48**	0.009
	EPDM	Black	2	**ZBZ 28**	0.009
		Yellow	2	**ZBZ 58**	0.009

Illuminated Emergency stop trigger action and mechanical latching pushbuttons with mechanical state indicator *(1)*

For elevator inspection box applications

Heads only *(7)*

Shape of head	Type of reset	Push Ø (mm)	Colour	Reference	Weight kg
Protected LED	**Push-pull** *(6)*	40	Red	**ZB5 AT8643M**	0.034

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 92.
(2) It is recommended that a legend or yellow background is used.
(3) The symbol indicates key withdrawal position(s).
(4) Other key numbers:
*- key n° 421E: add suffix **12** to the reference.*
*- key n° 458A: add suffix **10** to the reference.*
*- key n° 520E: add suffix **14** to the reference.*
*- key n° 3131A: add suffix **20** to the reference.*
*- key n° 4A185: add suffix **D** to the reference.*
*Example: To order a Ø 40 red mushroom head for a trigger action and mechanical latching Emergency stop pushbutton, with release by key n° 421E, the reference becomes: **ZB5 AS94412**.*
(5) For specific keys with other numbers, please consult your Regional Sales Office.
(6) Cannot be used with metal guards ZBZ 160●.
(7) Only for use with bodies comprising a light source with integral LED.

▲ Available:
1st quarter 2009.

General : page 80
Characteristics : page 88
Dimensions : page 146

Control and signalling units Ø 22

Harmony® XB5, plastic

Emergency switching off devices
Conforming to IEC 60364-5-53

Assembly of other products using:
body/contact assemblies: see page 120
combined sub-assemblies: see page 126
accessories: see pages 141 and 142

Mushroom head switching off mechanical latching pushbuttons conform to standards IEC 60364-5-53 and EN/IEC 60947-5-5. Please consult your Regional Sales Office for a full explanation of these standards and directives.

563451

XB5 AS542

107185

ZB5 AT4

107189

ZB5 AS64

107192

ZB5 AS24

Emergency switching off, mechanical latching pushbuttons *(1) (2)*
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Type of reset	Type of contact N/O	Type of contact N/C	Push Ø mm	Colour	Reference	Weight kg
Complete units							
	Push-pull	–	1	40	Red	**XB5 AT42** (ZB5 AZ102 + ZB5 AT4)	0.065
	Turn to release	–	1	40	Red	**XB5 AS542** (ZB5 AZ102 + ZB5 AS54)	0.060
	Key release (key n° 455) *(3)*	–	1	40	Red	**XB5 AS142** (ZB5 AZ102 + ZB5 AS14)	0.075
Heads only							
	Push-pull			30	Red	**ZB5 AT44**	0.049
				40	Red	**ZB5 AT4**	0.049
				60	Red	**ZB5 AX4**	0.067
	Turn to release			30	Red	**ZB5 AS44**	0.040
				40	Red	**ZB5 AS54**	0.044
				60	Red	**ZB5 AS64**	0.064
	Key release (key n° 455) 2 keys included with head) *(5)* *(3)*			30	Red	**ZB5 AS74**	0.040
				40	Red	**ZB5 AS14** *(4)*	0.044
				60	Red	**ZB5 AS24**	0.060
	Key release (key n° 4A185)			40	Red	**ZB5 AS14D**	0.044

Illuminated Emergency switching off, mechanical latching pushbuttons *(1)*
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Type of reset	Push Ø (mm)	Colour	Reference	Weight kg
Heads only *(6)*					
	Turn to release	40	Red	**ZB5 AW743**	0.022

Protected LED

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 92.
(2) It is recommended that a legend or yellow background is used.
(3) The symbol indicates key withdrawal position(s).
(4) Other key numbers:
*- key n° 421E: add suffix **12** to the reference.*
*- key n° 458A: add suffix **10** to the reference.*
*- key n° 520E: add suffix **14** to the reference.*
*- key n° 3131A: add suffix **20** to the reference.*
*Example: To order a Ø 40 red mushroom head for a mechanical latching Emergency switching off pushbutton, with release by key n° 421E, the reference becomes: **ZB5 AS1412**.*
(5) For specific keys with other numbers, please consult your Regional Sales Office.
(6) Only for use with bodies comprising a light source with integral LED.

General : page 80
Characteristics : page 88
Dimensions : page 146

Control and signalling units Ø 22

Harmony® XB5, plastic

Pushbuttons, push-push

Assembly of other products using:
body/contact assemblies: see page 120
combined sub-assemblies: see page 126
accessories: see page 136

814439

ZB5 AH04

Pushbuttons with flush push *(1)*

Shape of head	Type of push	Colour of push	Reference	Weight kg
Heads only, circular				
	Without cap *(2)*	–	**ZB5 AH0**	0.018
	Flush	White	**ZB5 AH01**	0.018
		Black	**ZB5 AH02**	0.018
		Green	**ZB5 AH03**	0.018
		Red	**ZB5 AH04**	0.018
		Yellow	**ZB5 AH05**	0.018
		Blue	**ZB5 AH06**	0.018
Heads only, square				
	Without cap *(2)*	–	**ZB5 CH0**	0.020
	Flush	White	**ZB5 CH01**	0.020
		Black	**ZB5 CH02**	0.020
		Green	**ZB5 CH03**	0.020
		Red	**ZB5 CH04**	0.020
		Yellow	**ZB5 CH05**	0.020
		Blue	**ZB5 CH06**	0.020

Pushbuttons with projecting push *(1)*

Shape of head	Type of push	Colour of push	Reference	Weight kg
Heads only, circular				
	Projecting	White	**ZB5 AH1**	0.018
		Black	**ZB5 AH2**	0.018
		Green	**ZB5 AH3**	0.018
		Red	**ZB5 AH4**	0.018
		Yellow	**ZB5 AH5**	0.018
		Blue	**ZB5 AH6**	0.018

Illuminated pushbuttons with flush push *(1)*

Shape of head	Type of push	Colour of push	Reference	Weight kg
Heads only, circular *(3)*				
Protected LED	**Flush**	White	**ZB5 AH013**	0.017
		Green	**ZB5 AH033**	0.017
		Red	**ZB5 AH043**	0.017
		Orange	**ZB5 AH053**	0.017
		Blue	**ZB5 AH063**	0.017
Heads only, square *(3)*				
Protected LED	**Flush**	White	**ZB5 CH313**	0.018
		Green	**ZB5 CH333**	0.018
		Red	**ZB5 CH343**	0.018
		Orange	**ZB5 CH353**	0.018
		Blue	**ZB5 CH363**	0.018

113972

ZB5 CH343

Illuminated pushbuttons with projecting push *(1)*

Shape of head	Type of push	Colour of push	Reference	Weight kg
Heads only, circular *(3)*				
Protected LED	**Projecting**	White	**ZB5 AH13**	0.017
		Green	**ZB5 AH33**	0.017
		Red	**ZB5 AH43**	0.017
		Orange	**ZB5 AH53**	0.017
		Blue	**ZB5 AH63**	0.017

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 92.
(2) Caps to be ordered separately, see page 132.
(3) Only for use with bodies comprising a light source with integral LED.

General : page 80
Characteristics : page 88
Dimensions : page 146

Control and signalling units Ø 22

Harmony® XB5, plastic

Pushbuttons, “push-turn to release”

Assembly of other products using:
body/contact assemblies: see page 120
accessories: see page 136

523836

ZB5 AFDA

Pushbuttons with key-operated push *(1)*

Shape of head	Type of push	Locking	Key withdrawal	Reference	Weight kg
Heads only					
	Key n° 4A185	Both positions	Both positions	**ZB5 AFDA**	0.050
		Actuated position	Actuated position	**ZB5 AFDB**	0.050
		Rest position	Rest position	**ZB5 AFDC**	0.050
		Actuated position	Both positions	**ZB5 AFDD**	0.050
	Key LU1	Both positions	Both positions	**ZB5 AFDE01**	0.050
	Key LU2	Both positions	Both positions	**ZB5 AFDE02**	0.050
	Key LU3	Both positions	Both positions	**ZB5 AFDE03**	0.050
	Key LU4	Both positions	Both positions	**ZB5 AFDE04**	0.050
	Key LU5	Both positions	Both positions	**ZB5 AFDE05**	0.050
	Key LU6	Both positions	Both positions	**ZB5 AFDE06**	0.050
	Key LU7	Both positions	Both positions	**ZB5 AFDE07**	0.050
	Key LU8	Both positions	Both positions	**ZB5 AFDE08**	0.050
	Key LU9	Both positions	Both positions	**ZB5 AFDE09**	0.050
	Key LU10	Both positions	Both positions	**ZB5 AFDE10**	0.050
	Key LU11	Both positions	Both positions	**ZB5 AFDE11**	0.050
	Key LU12	Both positions	Both positions	**ZB5 AFDE12**	0.050
	Key LU13	Both positions	Both positions	**ZB5 AFDE13**	0.050
	Key LU14	Both positions	Both positions	**ZB5 AFDE14**	0.050
	Key LU15	Both positions	Both positions	**ZB5 AFDE15**	0.050

110321

ZB5 AF

110322

ZB5 AF351

Pushbuttons with knurled push *(1)*

Shape of head	Type of push	Marking	Reference	Weight kg
Heads only				
	Knurled without cap *(2)*	–	**ZB5 AF**	0.027
	Knurled with marked cap	↑ (white on black background)	**ZB5 AF351**	0.030

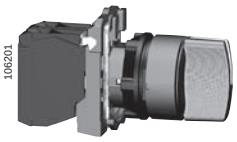
(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 92.
(2) Coloured caps to be ordered separately: see page 132.

Control and signalling units Ø 22

Harmony® XB5, plastic

Selector switches with standard handle

Assembly of other products using:
body/contact assemblies: see page 120
accessories: see page 136



106201

XB5 AD33

106215

ZB5 AD2

Selector switches with standard handle *(1)*
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Type of operator	Type of contact N/O	Type of contact N/C	Positions Number	Positions Type	Reference	Weight kg
Complete units							
	Standard handle, black	1	–	2-position 90°	Stay put	**XB5 AD21** (ZB5 AZ101 + ZB5 AD2)	0.043
		1	–		Spring return from right to left	**XB5 AD41** (ZB5 AZ101 + ZB5 AD4)	0.046
		1	1		Stay put	**XB5 AD25** (ZB5 AZ105 + ZB5 AD2)	0.043
		2	–	3-position ± 45°	Stay put	**XB5 AD33** (ZB5 AZ103 + ZB5 AD3)	0.043
					Spring return to centre	**XB5 AD53** (ZB5 AZ103 + ZB5 AD5)	0.043
Heads only							
	Standard handle, black			2-position 90°	Stay put	**ZB5 AD2**	0.017
					Spring return from right to left	**ZB5 AD4**	0.020
				3-position ± 45°	Stay put	**ZB5 AD3**	0.017
					Spring return to centre	**ZB5 AD5**	0.017
					Spring return from left to centre	**ZB5 AD7**	0.017
					Spring return from right to centre	**ZB5 AD8**	0.017

Heads only with other coloured handles

Standard handle, white	add suffix **01** to the reference, example: **ZB5 AD201**
Standard handle, green	add suffix **03** to the reference, example: **ZB5 AD203**
Standard handle, red	add suffix **04** to the reference, example: **ZB5 AD204**
Standard handle, yellow	add suffix **05** to the reference, example: **ZB5 AD205**
Standard handle, blue	add suffix **06** to the reference, example: **ZB5 AD206**

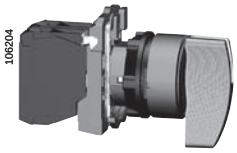
(1) Recommended maximum number of contacts and sequence of contacts constituting the body (fixing collar + contact) associated with the head, see page 92.

Control and signalling units Ø 22

Harmony® XB5, plastic

Selector switches with long handle

Assembly of other products using:
body/contact assemblies: see page 120
accessories: see page 136


106204

ZB5 AJ●3

106219

ZB5 AJ●

Selector switches with long handle *(1)*
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Type of operator	Type of contact N/O	Type of contact N/C	Positions Number	Positions Type	Reference	Weight kg
Complete units							
	Long handle, black	1	–	2-position 90°	Stay put	**XB5 AJ21** (ZB5 AZ101 + ZB5 AJ2)	0.043
		2	–	3-position ± 45°	Stay put	**XB5 AJ33** (ZB5 AZ103 + ZB5 AJ3)	0.043
					Spring return to centre	**XB5 AJ53** (ZB5 AZ103 + ZB5 AJ5)	0.043
Heads only							
	Long handle, black			2-position 90°	Stay put	**ZB5 AJ2**	0.017
					Spring return from right to left	**ZB5 AJ4**	0.020
				3-position ± 45°	Stay put	**ZB5 AJ3**	0.017
					Spring return to centre	**ZB5 AJ5**	0.017
					Spring return from left to centre	**ZB5 AJ7**	0.017
					Spring return from right to centre	**ZB5 AJ8**	0.017

(1) Recommended maximum number of contacts and sequence of contacts constituting the body (fixing collar + contact) associated with the head, see page 92.

Control and signalling units Ø 22

Harmony® XB5, plastic

Key switches

Key n° 455, 8D1, 421E, 458A, 520E or 3131A

Assembly of other products using:
body/contact assemblies: see page 120
accessories: see page 136

106203

XB5 AG●3

106224

ZB5 AG2

106223

ZB5 AG3

Key switches *(1)*
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Type of operator	Type of contact N/O	Type of contact N/C	Positions Number	Positions Type *(2)*		Reference	Weight kg
Complete units								
	Key switch with key n° 455	1	–	2-position 90°	Stay put		**XB5 AG21** (ZB5 AZ101 + ZB5 AG2)	0.831
							XB5 AG41 (ZB5 AZ101 + ZB5 AG4)	0.831
					Spring return to left		**XB5 AG61** (ZB5 AZ101 + ZB5 AG6)	0.870
		2	–	3-position ± 45°	Stay put		**XB5 AG03** (ZB5 AZ103 + ZB5 AG0)	0.831
							XB5 AG33 (ZB5 AZ103 + ZB5 AG3)	0.831
Heads only								
	Key switch with key n° 455 *(3) (4)*			2-position 90°	Stay put		**ZB5 AG2**	0.057
							ZB5 AG02	0.057
							ZB5 AG4	0.057
					Spring return from right to left		**ZB5 AG6**	0.061
				3-position ± 45°	Stay put		**ZB5 AG0**	0.057
							ZB5 AG3	0.057
							ZB5 AG5	0.057
							ZB5 AG9	0.057
							ZB5 AG09	0.057
					Spring return from left to centre		**ZB5 AG1**	0.057
					Spring return to centre		**ZB5 AG7**	0.057
					Spring return from right to centre		**ZB5 AG8**	0.057
							ZB5 AG05	0.057
							ZB5 AG08	0.057

(1) Recommended maximum number of contacts and sequence of contacts constituting the body (fixing collar + contact) associated with the head, see page 92.
(2) The symbol ⚷ indicates key withdrawal position(s).
(3) Other key numbers:
*- key n° 421E: add suffix **12** to the reference.*
*- key n° 458A: add suffix **10** to the reference.*
*- key n° 520E: add suffix **14** to the reference.*
*- key n° 3131A: add suffix **20** to the reference.*
*Example: For a switch head with key n° 421E, 2-position stay put with key withdrawal from the left-hand position, the reference becomes: **ZB5 AG212**.*
(4) For specific keys with other numbers, please consult your Regional Sales Office.

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Characteristics : page 88
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Control and signalling units Ø 22

Harmony® XB5, plastic

Key switches with key 8D1

Selector switches with knurled knob - Toggle switches

Assembly of other products using:
body/contact assemblies: see page 120
accessories: see page 136

Key switches (continued) *(1)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Type of operator	Positions *(2)* Number	Type	Reference	Weight kg
	Key switch with key n° 8D1	2-position 90°	Stay put	**ZB5 AG2D**	0.057
				ZB5 AG02D	0.057
				ZB5 AG4D	0.057
			Spring return from right to left	**ZB5 AG6D**	0.061
		3-position ± 45°	Stay put	**ZB5 AG0D**	0.057
				ZB5 AG3D	0.057
				ZB5 AG5D	0.057
				ZB5 AG9D	0.057
				ZB5 AG09D	0.057
				ZB5 AG03D	0.057
				ZB5 AG04D	0.057
			Spring return from left to centre	**ZB5 AG06D**	0.057
				ZB5 AG1D	0.057
				ZB5 AG07D	0.057
			Spring return from right to centre	**ZB5 AG8D**	0.057
				ZB5 AG08D	0.057
				ZB5 AG05D	0.057
			Spring return to centre	**ZB5 AG7D**	0.057

Selector switches with knurled knob *(1)*

Shape of head	Type of operator	Positions Number	Type	Reference	Weight kg
Heads only					
	Black knurled knob	2-position 90°	Stay put	**ZB5 AD29**	0.020
			Spring return from right to left	**ZB5 AD49**	0.024
		3-position ± 45°	Stay put	**ZB5 AD39**	0.020
			Spring return to centre	**ZB5 AD59**	0.020
			Spring return from left to centre	**ZB5 AD79**	0.020
			Spring return from right to centre	**ZB5 AD89**	0.020

106221

ZB5 AD39

Toggle switches *(1)*

Shape of head	Type of operator	Positions Number	Type	Reference	Weight kg
Heads only					
	Black lever	2-position 90°	Stay put	**ZB5 AD28**	0.023
			Spring return	**ZB5 AD48**	0.023
	White lever	2-position 90°	Stay put	**ZB5 AD2801**	0.023
	Red lever	2-position 90°	Stay put	**ZB5 AD2804**	0.023
	Blue lever	2-position 90°	Stay put	**ZB5 AD2806**	0.023

535626

ZB5 AD28

(1) Recommended maximum number of contacts and sequence of contacts constituting the body (fixing collar + contact) associated with the head, see page 92.

(2) The symbol ⚷ indicates key withdrawal position(s)

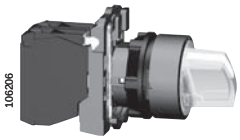
General : page 80
Characteristics : page 88
Dimensions : page 146

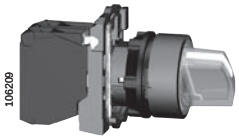
Control and signalling units Ø 22

Harmony® XB5, plastic

Illuminated selector switches with standard handle, with integral LED

Assembly of other products using:
combined sub-assemblies: see page 126
accessories: see page 136


106206
XB5 AK123●5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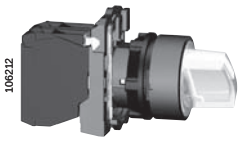
XB5 AK124●5


106212
XB5 AK125●5

Illuminated selector switches with standard handle, with integral LED *(1)*
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Type of operator	Type of contact N/O	Type of contact N/C	Positions Number Type	Supply voltage V	Colour of handle	Reference	Weight kg
Complete units								
	Standard handle	1	1	2-position Stay put 90°	⎓ 24 (50/60 Hz)	Green	**XB5 AK123B5** (ZB5 AW0B35 + ZB5 AK1233)	0.516
						Red	**XB5 AK124B5** (ZB5 AW0B45 + ZB5 AK1243)	0.516
						Orange	**XB5 AK125B5** (ZB5 AW0B55 + ZB5 AK1253)	0.516
					∿ 110...120 (50/60 Hz)	Green	**XB5 AK123G5** (ZB5 AW0G35 + ZB5 AK1233)	0.516
						Red	**XB5 AK124G5** (ZB5 AW0G45 + ZB5 AK1243)	0.516
						Orange	**XB5 AK125G5** (ZB5 AW0G55 + ZB5 AK1253)	0.516
					∿ 230...240 (50/60 Hz)	Green	**XB5 AK123M5** (ZB5 AW0M35 + ZB5 AK1233)	0.516
						Red	**XB5 AK124M5** (ZB5 AW0M45 + ZB5 AK1243)	0.516
						Orange	**XB5 AK125M5** (ZB5 AW0M55 + ZB5 AK1253)	0.516
		1	1	3-position Stay put ± 45°	⎓ 24 (50/60 Hz)	Green	**XB5 AK133B5** (ZB5 AW0B35 + ZB5 AK1333)	0.516
						Red	**XB5 AK134B5** (ZB5 AW0B45 + ZB5 AK1343)	0.516
						Orange	**XB5 AK135B5** (ZB5 AW0B55 + ZB5 AK1353)	0.516
					∿ 110...120 (50/60 Hz)	Green	**XB5 AK133G5** (ZB5 AW0G35 + ZB5 AK1333)	0.516
						Red	**XB5 AK134G5** (ZB5 AW0G45 + ZB5 AK1343)	0.516
						Orange	**XB5 AK135G5** (ZB5 AW0G55 + ZB5 AK1353)	0.516
					∿ 230...240 (50/60 Hz)	Green	**XB5 AK133M5** (ZB5 AW0M35 + ZB5 AK1333)	0.516
						Red	**XB5 AK134M5** (ZB5 AW0M45 + ZB5 AK1343)	0.516
						Orange	**XB5 AK135M5** (ZB5 AW0M55 + ZB5 AK1353)	0.516

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 92.

Control and signalling units Ø 22

Harmony® XB5, plastic

Illuminated selector switches with standard handle, with integral LED

Assembly of other products using:
combined sub-assemblies: see page 126
accessories: see page 136

106225

ZB5 AK1263

106227

ZB5 AK1463

Illuminated selector switches with standard handle, with integral LED (continued) *(1)*

Shape of head	Type of operator	Positions Number	Positions Type	Colour of handle	Reference	Weight kg
Heads only *(2)*						
Protected LED	**Standard handle**	2-position 90°	Stay put	White	**ZB5 AK1213**	0.016
				Green	**ZB5 AK1233**	0.016
				Red	**ZB5 AK1243**	0.016
				Orange	**ZB5 AK1253**	0.016
				Blue	**ZB5 AK1263**	0.016
			Spring return from right to left	White	**ZB5 AK1413**	0.017
				Green	**ZB5 AK1433**	0.017
				Red	**ZB5 AK1443**	0.017
				Orange	**ZB5 AK1453**	0.017
				Blue	**ZB5 AK1463**	0.017
		3-position ± 45°	Stay put	White	**ZB5 AK1313**	0.016
				Green	**ZB5 AK1333**	0.016
				Red	**ZB5 AK1343**	0.016
				Orange	**ZB5 AK1353**	0.016
				Blue	**ZB5 AK1363**	0.016
			Spring return to centre	White	**ZB5 AK1513**	0.016
				Green	**ZB5 AK1533**	0.016
				Red	**ZB5 AK1543**	0.016
				Orange	**ZB5 AK1553**	0.016
				Blue	**ZB5 AK1563**	0.016
			Spring return from right to centre	White	**ZB5 AK1813**	0.016
				Green	**ZB5 AK1833**	0.016
				Red	**ZB5 AK1843**	0.016
				Orange	**ZB5 AK1853**	0.016
				Blue	**ZB5 AK1863**	0.016
			Spring return from left to centre	White	**ZB5 AK1713**	0.016
				Green	**ZB5 AK1733**	0.016
				Red	**ZB5 AK1743**	0.016
				Orange	**ZB5 AK1753**	0.016
				Blue	**ZB5 AK1763**	0.016

(1) Recommended maximum number of contacts constituting the body (fixing collar + contact) associated with the head, see page 92.
(2) Only for use with bodies comprising a light source with integral LED.

Control and signalling units Ø 22

Harmony® XB5, plastic

Pilot lights with integral LED

Assembly of other products using:
light block sub-assemblies: see page 128
accessories: see pages 132 and 136

814388

XB5 AVB1

Pilot lights with integral LED

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Supply voltage V	Colour	Reference	Weight kg
Complete units				
■ With plain lens				
Protected LED	≂ 24 (50/60 Hz)	White	**XB5 AVB1** (ZB5 AVB1 + ZB5 AV013)	0.038
		Green	**XB5 AVB3** (ZB5 AVB3 + ZB5 AV033)	0.038
		Red	**XB5 AVB4** (ZB5 AVB4 + ZB5 AV043)	0.038
		Orange	**XB5 AVB5** (ZB5 AVB5 + ZB5 AV053)	0.038
		Blue	**XB5 AVB6** (ZB5 AVB6 + ZB5 AV063)	0.038
	∼ 110...120 (50/60 Hz)	White	**XB5 AVG1** (ZB5 AVG1 + ZB5 AV013)	0.038
		Green	**XB5 AVG3** (ZB5 AVG3 + ZB5 AV033)	0.038
		Red	**XB5 AVG4** (ZB5 AVG4 + ZB5 AV043)	0.038
		Orange	**XB5 AVG5** (ZB5 AVG5 + ZB5 AV053)	0.038
		Blue	**XB5 AVG6** (ZB5 AVG6 + ZB5 AV063)	0.038
	∼ 230...240 (50/60 Hz)	White	**XB5 AVM1** (ZB5 AVM1 + ZB5 AV013)	0.038
		Green	**XB5 AVM3** (ZB5 AVM3 + ZB5 AV033)	0.038
		Red	**XB5 AVM4** (ZB5 AVM4 + ZB5 AV043)	0.038
		Orange	**XB5 AVM5** (ZB5 AVM5 + ZB5 AV053)	0.038
		Blue	**XB5 AVM6** (ZB5 AVM6 + ZB5 AV063)	0.038

814529

ZB5 AV053

Heads only, circular *(1)*

Shape of head	For use with body comprising light source type	Colour of lens	Reference	Weight kg
■ With plain lens				
	Integral LED only Protected LED	White	**ZB5 AV013**	0.017
		Green	**ZB5 AV033**	0.017
		Red	**ZB5 AV043**	0.017
		Orange	**ZB5 AV053**	0.017
		Blue	**ZB5 AV063**	0.017
		5 colours *(2) (3)*	**ZB5 AV003**	0.017
■ With plain lens, for insertion of legend *(3)*				
	Integral LED only Protected LED	White	**ZB5 AV013E**	0.017
		Green	**ZB5 AV033E**	0.017
		Red	**ZB5 AV043E**	0.017
		Orange	**ZB5 AV053E**	0.017
		Blue	**ZB5 AV063E**	0.017
■ With grooved lens *(4)*				
	Integral LED only Protected LED	White	**ZB5 AV013S**	0.017
		Green	**ZB5 AV033S**	0.017
		Red	**ZB5 AV043S**	0.017
		Orange	**ZB5 AV053S**	0.017
		Blue	**ZB5 AV063S**	0.017

814530

ZB5 CV063

Heads only, square *(1)*

■ With plain lens				
	Integral LED only Protected LED	White	**ZB5 CV013**	0.020
		Green	**ZB5 CV033**	0.020
		Red	**ZB5 CV043**	0.020
		Orange	**ZB5 CV053**	0.020
		Blue	**ZB5 CV063**	0.020
		5 colours *(2)*	**ZB5 CV003**	0.028

(1) Only for use with bodies comprising a light source with integral LED.
(2) Head supplied with 5 different coloured lenses (white, green, red, orange, blue) not fitted, for insertion of legend.
(3) For legend ordering information: see page 136.
(4) For use in bright ambient light conditions (outdoors in sunlight, for example).

General : page 80
Characteristics : page 88
Dimensions : page 146

Control and signalling units Ø 22

Harmony® XB5, plastic

Pilot lights with integral LED and with BA 9s base fitting

Assembly of other products using:
light block sub-assemblies: see page 128
accessories: see pages 132 and 136

Pilot lights with integral LED and transformer (1.2 VA, 24 V secondary)

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Supply voltage V	Colour	Reference *(1)*	Weight kg
Complete units - With plain lens				
	∼ 400 - 50 Hz *(1)*	White	**XB5 AV5B1** n	0.133
		Green	**XB5 AV5B3** n	0.133
		Red	**XB5 AV5B4** n	0.133
		Orange	**XB5 AV5B5** n	0.133
		Blue	**XB5 AV5B6** n	0.133

Protected LED

080703

XB5 AV5B●

Pilot lights with BA 9s base fitting, with plain or grooved lens

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Shape of head	Supply voltage V	Colour	Reference	Weight kg
Complete units - With plain lens				
■ Direct supply, for BA 9s bulb, U ≤ 250 V, 2.4 W max (bulb not included)				
	≤ 250	White	**XB5 AV61** (ZB5 AV6 + ZB5 AV01)	0.037
		Green	**XB5 AV63** (ZB5 AV6 + ZB5 AV03)	0.037
		Red	**XB5 AV64** (ZB5 AV6 + ZB5 AV04)	0.037
		Orange	**XB5 AV65** (ZB5 AV6 + ZB5 AV05)	0.037
■ Via integral transformer, 1.2 VA, 6 V secondary, with BA 9s incandescent bulb (included)				
	∼ 110...120 - 50/60 Hz	White	**XB5 AV31** (ZB5 AV3 + ZB5 AV01)	0.109
		Green	**XB5 AV33** (ZB5 AV3 + ZB5 AV03)	0.109
		Red	**XB5 AV34** (ZB5 AV3 + ZB5 AV04)	0.109
		Orange	**XB5 AV35** (ZB5 AV3 + ZB5 AV05)	0.109
	∼ 230 - 50 Hz ∼ 220...240 - 60 Hz	White	**XB5 AV41** (ZB5 AV4 + ZB5 AV01)	0.110
		Green	**XB5 AV43** (ZB5 AV4 + ZB5 AV03)	0.110
		Red	**XB5 AV44** (ZB5 AV4 + ZB5 AV04)	0.110
		Orange	**XB5 AV45** (ZB5 AV4 + ZB5 AV05)	0.110

814392

XB5 AV63

814391

XB5 AV34

Heads only *(1)*

Shape of head	For use with body comprising light source type	Colour of lens	Reference	Weight kg
■ With plain lens				
	With BA 9s base fitting	White	**ZB5 AV01**	0.018
		Green	**ZB5 AV03**	0.018
		Red	**ZB5 AV04**	0.018
		Orange	**ZB5 AV05**	0.018
		Blue	**ZB5 AV06**	0.018
		Clear	**ZB5 AV07**	0.018
■ With grooved lens *(2)*				
	With BA 9s base fitting	White	**ZB5 AV01S**	0.017
		Green	**ZB5 AV03S**	0.017
		Red	**ZB5 AV04S**	0.017
		Orange	**ZB5 AV05S**	0.017
		Blue	**ZB5 AV06S**	0.017
		Clear	**ZB5 AV07S**	0.017

814528

ZB5 AV01

(1) Tor order ∼ 440...460 V - 60 Hz tranformer blocks, please replace «5» in the reference by «8». Example: XB5 AV5B1 becomes XB5 AV8B1. To order ∼ 550...600 V - 60 Hz blocks, please replace «5» by «9». Example: XB5 AV5B1 becomes XB5 AV9B1.
(2) Only for use with bodies comprising a light source with BA 9s base fitting (incandescent, neon or LED).
(3) For use in bright ambient light conditions (outdoors in sunlight, for example).

n New

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Control and signalling units Ø 22

Harmony® XB5, plastic

Specific functions

Pushbuttons for manual overload reset, hour counters, buzzers, fuse carrier

Assembly of other products using:
body/contact assemblies: see page 120
accessories: see page 136

563091

XB5 AA

Manual overload reset buttons (travel 10 mm)

Shape of head	Actuation distance mm	Marking	Colour	Reference	Weight kg
Without cap *(1)*					
	17…120	–	–	**XB5 AA801**	0.027
	120…257	–	–	**XB5 AA802**	0.040
With flush push					
	17…120	Without	Green	**XB5 AA831**	0.027
			Red	**XB5 AA841**	0.027
			Blue	**XB5 AA861**	0.027
		O	Red	**XB5 AA84101**	0.027
		R	Blue	**XB5 AA86102**	0.027
	120…257	Without	Green	**XB5 AA832**	0.040
			Red	**XB5 AA842**	0.040
			Blue	**XB5 AA862**	0.040
		O	Red	**XB5 AA84201**	0.040
		R	Blue	**XB5 AA86202**	0.040
With projecting push					
	17…120	O	Red	**XB5 AL84101**	0.027
	120…257	O	Red	**XB5 AL84201**	0.040

109501

ZB5 AD

Heads + mounting base for potentiometer *(2)*

Shape of head	Description	For use with	Reference	Weight kg
	For potentiometer with shaft length 45 to 50 mm	Ø 6 mm shaft	**ZB5 AD912**	0.032
		Ø 6.35 mm shaft	**ZB5 AD922**	0.032

814343

XB5 DS●

Hour counters

Characteristics	Supply voltage V	Reference	Weight kg
Indication 0…9999.9	⎓ 12…24 - 50/60 Hz	**XB5 DSB**	0.045
	∿ 120 - 60 Hz	**XB5 DSG**	0.045
	∿ 230…240 -50 Hz	**XB5 DSM**	0.045

814344

XB5 KS●

Annunciators (IP 40 NEMA 1)

85 db buzzer: 4 kHz, with continuous or intermittent operation (connection diagram: see page 146)	⎓ 24 - 50/60 Hz	**XB5 KSB**	0.035
	∿ 120 - 50/60 Hz	**XB5 KSG**	0.035
	∿ 230…240 -50 Hz	**XB5 KSM**	0.035

814344

XB5 DT1S

Fuse carrier

Description	For use with	Reference	Weight kg
Fuse carrier	5 x 20 mm fuse 6.3 A - 250 V	**XB5 DT1S**	0.022

(1) Coloured cap to be ordered separately: see page 132.
(2) Potentiometer not included.

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Schneider Electric

Control and signalling units Ø 22

Harmony® XB5, plastic

Specific functions

Joystick controllers

Assembly of other products using:
accessories: see page 136

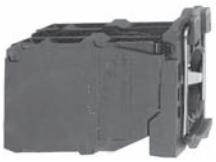
563161

XD5 PA12

814667

ZD5 PA103

814666



ZD5 PA203

563162

ZD5 PA12

Joystick controllers (with 54 mm long operating shaft) *(1)*
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Description	Operation	Spring return to zero position	Reference	Weight kg
Complete products				
2-direction	1 notch 1 N/O contact per direction	Without	**XD5 PA12**	0.060
		With	**XD5 PA22**	0.060
4-direction	1 notch 1 N/O contact per direction	Without	**XD5 PA14**	0.077
		With	**XD5 PA24**	0.077

Sub-assemblies for joystick controllers

Description	For use with		Reference	Weight kg
Complete body/contact assemblies	2-direction		**ZD5 PA103**	0.049
	4-direction		**ZD5 PA203**	0.058
Complete head assemblies with operating shaft	2-direction, stay put		**ZD5 PA12**	0.022
	2-direction, spring return to zero position		**ZD5 PA22**	0.022
	4-direction, stay put		**ZD5 PA14**	0.022
	4-direction, spring return to zero position		**ZD5 PA24**	0.022
Legends 30 x 48 mm for engraving	2-direction	Black one side Red reverse	**ZBG 2201**	0.001
		White one side Yellow reverse	**ZBG 2401**	0.001
Legends 48 x 48 mm for engraving	4-direction	Black one side Red reverse	**ZBG 4201**	0.002
		White one side Yellow reverse	**ZBG 4401**	0.002

(1) Must not be used with standard contact blocks ZBE 10● (single) or ZBE 20● (double).

Other versions Joystick controllers and complete body/contact assemblies for joystick controllers with Faston connector terminals (6.35 or 2 x 2.8).
Please consult your Regional Sales Office.

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Control and signalling units Ø 22

Harmony® XB5, plastic

Body/contact assemblies - Screw clamp terminal connections

To combine with heads, see pages 94 to 118

814588
ZB5 AZ009

814265
ZBE 101

814267
ZBE 203

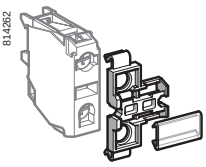
814411
ZB5 AZ101

814265
ZBE 201

814667
ZB5 AZ106

814667
ZB5 AZ107

080707
ZBE 505


814262
ZBZ 001

Body/fixing collar

For use with	Sold in lots of	Unit reference	Weight kg
Electrical block (contact or light)	10	**ZB5 AZ009**	0.006

Contact functions *(1)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Contacts for standard applications

Description	Type of contact	N/O	N/C	Sold in lots of	Unit reference	Weight kg
Contact blocks	Single	1	–	5	**ZBE 101**	0.011
		–	1	5	**ZBE 102**	0.011
	Double	2	–	5	**ZBE 203**	0.020
		–	2	5	**ZBE 204**	0.020
		1	1	5	**ZBE 205**	0.020
	Single with body/fixing collar	1	–	1	**ZB5 AZ101**	0.021
		–	1	1	**ZB5 AZ102**	0.021
		2	–	1	**ZB5 AZ103**	0.030
		–	2	1	**ZB5 AZ104**	0.030
		1	1	1	**ZB5 AZ105**	0.030
		1	2	1	**ZB5 AZ141**	0.040

Contacts for specific applications

Application	Type of contact	Description	N/O	N/C	Sold in lots of	Unit reference	Weight kg
Low power switching	Single	Standard	1	–	5	**ZBE 1016**	0.012
			–	1	5	**ZBE 1026**	0.012
		Dusty environment *(2)* (IP5X, 50 µm dust)	1	–	5	**ZBE 1016P**	0.012
			–	1	5	**ZBE 1026P**	0.012
Staggered contacts	Single	Early make N/O	1	–	5	**ZBE 201**	0.011
		Late break N/C	–	1	5	**ZBE 202**	0.011
	Single with body/fixing collar	Overlapping N/O+N/C	1	1	5	**ZB5 AZ106**	0.030
		Staggered N/O+N/C	2	–	5	**ZB5 AZ107**	0.030
High power switching	Single	Standard *(3)*	1	–	1	**ZBE 501** n	0,020
			–	1	1	**ZBE 502** n	0,020
			2	–	1	**ZBE 503** n	0,032
			–	2	1	**ZBE 504** n	0,032
			1	1	1	**ZBE 505** n	0,032

Clip-on legend holder, sheet of blank legends and labelling software *(4)*

Description	Sold in lots of	Unit reference	Weight kg
Clip-on legend-holder for electrical blocks with screw clamp terminal connections *(4)*. **For identification of an XB5 A control or signalling unit**	10	**ZBZ 001**	0.001
Sheet of 50 blank legends for legend holder ZBZ 001	10	**ZBY 001**	0.023
«SIS Label» labelling software for legend design (ZBY 001 legends) (for design of legends in English, French, German, Italian, Spanish)	1	**XBY 2U**	0.100

(1) The contact blocks enable variable composition of body/contact assemblies. Maximum number of rows possible: 3. Either 3 rows of 3 single contacts or 1 row of 3 double contacts + 1 row of 3 single contacts (double contacts occupy the first 2 rows). Maximum number of contacts is specified on page 92.
(2) It is not possible to fit an additional contact block on the back of these contact blocks.
(3) It is not possible to fit an additional contact block on the back of these contact blocks or to use these contacts with light blocks.
(4) This legend holder is not compatible with high power switching contacts.

n New

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Control and signalling units Ø 22

Harmony® XB5, plastic

Light blocks - “Test light” - Protection

To combine with:
heads, see page 98

814273

ZBV B●

Light blocks with screw clamp terminal connections (Schneider Electric anti-retightening system)

Description	Supply voltage V	Colour of light source	Sold in lots of	Unit reference	Weight kg
Integral LED (to combine with heads for integral LED) Protected LED	⎓ 12 (50/60 Hz)	White	5	**ZBV J1**	0.017
		Green	5	**ZBV J3**	0.017
		Red	5	**ZBV J4**	0.017
		Orange	5	**ZBV J5**	0.017
		Blue	5	**ZBV J6**	0.017
	⎓ 24 (50/60 Hz)	White	5	**ZBV B1**	0.017
		Green	5	**ZBV B3**	0.017
		Red	5	**ZBV B4**	0.017
		Orange	5	**ZBV B5**	0.017
		Blue	5	**ZBV B6**	0.017
	⎓ 24…120 (50/60 Hz)	White	5	**ZBV BG1**	0.017
		Green	5	**ZBV BG3**	0.017
		Red	5	**ZBV BG4**	0.017
		Orange	5	**ZBV BG5**	0.017
		Blue	5	**ZBV BG6**	0.017
	∿ 110...120 (50/60 Hz)	White	5	**ZBV G1**	0.017
		Green	5	**ZBV G3**	0.017
		Red	5	**ZBV G4**	0.017
		Orange	5	**ZBV G5**	0.017
		Blue	5	**ZBV G6**	0.017
	∿ 230...240 (50/60 Hz)	White	5	**ZBV M1**	0.017
		Green	5	**ZBV M3**	0.017
		Red	5	**ZBV M4**	0.017
		Orange	5	**ZBV M5**	0.017
		Blue	5	**ZBV M6**	0.017

080705

ZBV 5B

Flashing light blocks with screw clamp terminal connections (Schneider Electric anti-retightening system)

Integral LED (to combine with heads for integral LED) Protected LED	⎓ 24 (50/60 Hz)	White	5	**ZBV 18B1**	0.017
		Green	5	**ZBV 18B3**	0.017
		Red	5	**ZBV 18B4**	0.017
		Orange	5	**ZBV 18B5**	0.017
		Blue	5	**ZBV 18B6**	0.017
	∿ 110...120 (50/60 Hz)	White	5	**ZBV 18G1**	0.017
		Green	5	**ZBV 18G3**	0.017
		Red	5	**ZBV 18G4**	0.017
		Orange	5	**ZBV 18G5**	0.017
		Blue	5	**ZBV 18G6**	0.017
	∿ 230...240 (50/60 Hz)	White	5	**ZBV 18M1**	0.017
		Green	5	**ZBV 18M3**	0.017
		Red	5	**ZBV 18M4**	0.017
		Orange	5	**ZBV 18M5**	0.017
		Blue	5	**ZBV 18M6**	0.017

522067

ZBZ G156

Transformer blocks for 24 V light blocks

For use with	Supply voltage V	Description	Référence	Weight kg
Light blocks with integral LED	∿ 400 V - 50 Hz	Transformers 400 V - 24 V ∿	**ZBV 5B** *(1)* n	0.090

522068

ZBZ M156

Blocks for “test light” function

Light blocks	⎓ 12 and 24 ⎓ 24…120	Single module, 1 connecting wire	**ZBZ G156** *(2)*	0.010
Light blocks with integral LED	∿ 48…230	Double module, with connecting wires	**ZBZ M156** *(3)*	0.010

814274

ZBZ V●

LED suppressors

For use with	Supply voltage V	Level of protection	Reference	Weight kg
Light blocks with integral LED fitted with screw clamp terminal connections	∿ 120	25…120 VA	**ZBZ VG**	0.010
	∿ 230	30…230 VA	**ZBZ VM**	0.010

(1) To order ∿ 440...460 V - 60 Hz transformer blocks, please replace «5» in the reference by «8» : ZBV 5B becomes ZBV 8B.
To order ∿ 550...600 V - 60 Hz transformer blocks, please replace «5» by «9» : ZBV 5B becomes ZBV 9B.

*(2) Block for use with ⎓ light blocks with integral LED types **ZBV J●**, **ZBV B●**, **ZVB BG●** or with direct supply light block for BA 9s bulb, **ZBV 6**.*

*(3) Block for use ∿ light blocks integral LED types **ZBV G●**, **ZBV M●**, see connection on page 154.*

n New

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Characteristics : page 88
Dimensions : page 146

Control and signalling units Ø 22

Harmony® XB5, plastic

Body/contact assemblies - Spring clamp terminal connections

To combine with heads, see pages 94 to 118

814588

ZB5 AZ009

Body/fixing collar

For use with	Sold in lots of	Unit reference	Weight kg
Electrical block (contact or light)	10	**ZB5 AZ009**	0.006

PF107777

ZBE 1015

Contact functions

Spring clamp terminal connections *(1)*

Contacts for standard applications

Description	Type of contact	N/O	N/C	Sold in lots of	Unit reference	Weight kg
Contact blocks	Single	1	–	4	**ZBE 1015** n	0.011
		–	1	4	**ZBE 1025** n	0.011
	Single with body/fixing collar	1	–	1	**ZB5 AZ1015** n	0.021
		–	1	1	**ZB5 AZ1025** n	0.021
		2	–	1	**ZB5 AZ1035** n	0.030
		–	2	1	**ZB5 AZ1045** n	0.030
		1	1	1	**ZB5 AZ1055** n	0.030

PF107781

ZB5 AZ1015

Light blocks

Spring clamp terminal connections *(1)*

Description	Supply voltage V	Colour of light source	Sold in lots of	Unit reference	Weight kg
Integral LED (to combine with heads for integral LED) Protected LED	⎓ 12 (50/60 Hz)	White	4	**ZBV J15** n	0.016
		Green	4	**ZBV J35** n	0.016
		Red	4	**ZBV J45** n	0.016
		Orange	4	**ZBV J55** n	0.016
		Blue	4	**ZBV J65** n	0.016
	⎓ 24 (50/60 Hz)	White	4	**ZBV B15** n	0.016
		Green	4	**ZBV B35** n	0.016
		Red	4	**ZBV B45** n	0.016
		Orange	4	**ZBV B55** n	0.016
		Blue	4	**ZBV B65** n	0.016
	∼ 110...120 (50/60 Hz)	White	4	**ZBV G15** n	0.016
		Green	4	**ZBV G35** n	0.016
		Red	4	**ZBV G45** n	0.016
		Orange	4	**ZBV G55** n	0.016
		Blue	4	**ZBV G65** n	0.016
	∼ 230...240 (50/60 Hz)	White	4	**ZBV M15** n	0.016
		Green	4	**ZBV M35** n	0.016
		Red	4	**ZBV M45** n	0.016
		Orange	4	**ZBV M55** n	0.016
		Blue	4	**ZBV M65** n	0.016

Sheet of 50 blank legends

For use with	Sold in lots of	Unit reference	Weight kg
Legend holder ZBZ 001	10	**ZBY 001**	0.023

540548

XBY 2U

"SIS Label" labelling software (for legends ZBY 001)

For legend design for English, French, German, Italian, Spanish	1	**XBY 2U**	0.038

(1) It is not possible to fit an additional block on the back of these contact or light blocks.

n New

General : page 80
Characteristics : page 88
Dimensions : page 146

Schneider Electric

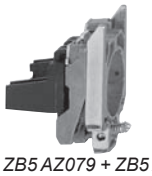
Control and signalling units Ø 22

Harmony® XB5, plastic

Body/contact assemblies for printed circuit board

To combine with heads, see pages 94 to 118

814588
ZB5 AZ009


814286
ZB5 AZ079 + ZB5 AZ009

540159
ZBZ 01●

814287
ZBE 701

814288
ZBE 702

814289
ZBV B●7

Body/fixing collar and accessories specifically for printed circuit board mounting (1)

Accessories required when using adaptor (socket) ZBZ 010

Description	For use with	Sold in lots of	Unit reference	Weight kg
Body/fixing collar	Electrical block (contact or light)	10	**ZB5 AZ009**	0.006
Fixing collar/pillar	Printed circuit board support (fixing screw ZBZ 006 to be ordered separately)	10	**ZB5 AZ079**	0.003
Fixing screw for printed circuit board	Fixing collar/pillar ZB5 AZ079	10	**ZBZ 006**	0.011

Adapter (socket) (1)

For use with	Thickness of printed circuit board (mm)	Sold in lots of	Unit reference	Weight kg
Electrical block (contact or light)	1.6 ± 0.2	10	**ZBZ 010**	0.008
	2.2 ± 0.2	10	**ZBZ 011**	0.008
	3.2 ± 0.2	10	**ZBZ 012**	0.008

Contact functions (1)

Contacts for standard applications

Description	Type of contact	N/O	N/C	Sold in lots of	Unit reference	Weight kg
Contact blocks	Single	1	–	5	**ZBE 701**	0.011
		–	1	5	**ZBE 702**	0.011

Contacts for specific applications

Application	Type of contact	N/O	N/C	Sold in lots of	Unit reference	Weight kg
Low power switching	Single	1	–	5	**ZBE 7016**	0.012
		–	1	5	**ZBE 7026**	0.012

Light blocks (1)

Description	Supply voltage V	Colour of LED	Sold in lots of	Unit reference	Weight kg
Integral LED (to combine with heads for integral LED)	≂ 24 (50/60 Hz)	White	5	**ZBV B17**	0.004
		Green	5	**ZBV B37**	0.004
		Red	5	**ZBV B47**	0.004
		Orange	5	**ZBV B57**	0.004
		Blue	5	**ZBV B67**	0.004

Protected LED

(1) For details of support drilling and of printed circuit board: see page 157

Control and signalling units Ø 22

Harmony® XB5, plastic

Body/contact assemblies - Faston connectors

To combine with heads, see pages 94 to 118

121475

ZBE 1023

121508

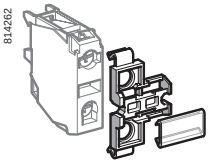
ZBE 2043

111294

ZB5 AZ1013

111295

ZB5 AZ1023


814262

ZBZ 001

540548

XBY 2U

Contact functions (1)

Faston connectors (6.35 or 2 x 2.8 mm)

Contacts for standard applications

Description	Type of contact	N/O	N/C	Sold in lots of	Unit reference	Weight kg
Contact blocks	Single	1	–	5	**ZBE 1013**	0.011
		–	1	5	**ZBE 1023**	0.011
	Double	2	–	5	**ZBE 2033**	0.020
		–	2	5	**ZBE 2043**	0.020
		1	1	5	**ZBE 2053**	0.020
	Single with body/fixing collar	1	–	1	**ZB5 AZ1013** *(2)*	0.021
		–	1	1	**ZB5 AZ1023** *(2)*	0.021
		2	–	1	**ZB5 AZ1033**	0.030
		–	2	1	**ZB5 AZ1043**	0.030
		1	1	1	**ZB5 AZ1053**	0.030

Contacts for specific applications

Application	Type of contact	Description	N/O	N/C	Sold in lots of	Unit reference	Weight kg
Low power switching	Single	Standard	1	–	5	**ZBE 10163** *(2)*	0.012
			–	1	5	**ZBE 10263** *(2)*	0.012
		Dusty environments *(3)* (IP5X, 50 µm dust)	1	–	5	**ZBE 1016P3** *(2)*	0.012
			–	1	5	**ZBE 1026P3** *(2)*	0.012
Staggered contacts	Single	Early make N/O	1	–	5	**ZBE 2013** *(2)*	0.011
		Late break N/C	–	1	5	**ZBE 2023** *(2)*	0.011
High power switching	Single	Standard *(4)*	1	–	1	**ZBE 5013** n	0,021
			–	1	1	**ZBE 5023** n	0,021
			2	–	1	**ZBE 5033** n	0,033
			–	2	1	**ZBE 5043** n	0,033
			1	1	1	**ZBE 5053** n	0,033

Clip-on legend holder for electrical blocks with screw clamp terminal connections (5)

For use with	Sold in lots of	Unit reference	Weight kg
Identification of an XB5 A control or signalling unit	10	**ZBZ 001**	0.001

Sheet of 50 blank legends

Legend holder ZBZ 001	10	**ZBY 001**	0.023

"SIS Label" labelling software (for legends ZBY 001)

For legend design for English, French, German, Italian, Spanish	1	**XBY 2U**	0.100

(1) The contact blocks enable variable composition of body/contact assemblies. Maximum number of rows possible: 3. Either 3 rows of 3 single contacts or 1 row of 3 double contacts + 1 row of 3 single contacts (double contacts occupy the first 2 rows).

*(2) To order products with screw clamp terminal connections for lugs, replace the **3** at the end of the reference with a **9**. Example: **ZBE 1013** becomes **ZBE 1019**.*

(3) It is not possible to fit an additional contact block on the back of these contact blocks.

(4) It is not possible to fit an additional contact block on the back of these contact blocks or to use these contacts with light blocks.

(5) This legend holder is not compatible with high power switching contacts.

n New

General : page 80
Characteristics : page 88
Dimensions : page 146

Schneider Electric

Control and signalling units Ø 22

Harmony® XB5, plastic

Body/contact assemblies - Plug-in connector

To combine with heads, see pages 94 to 118

814588

ZB5 AZ009

814278

ZBE 1014

814279

ZBE 1024

814408

ZB5 AZ1014

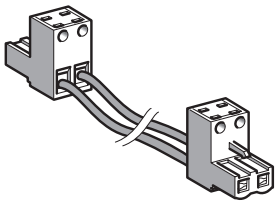
814410

ZB5 AZ1024

814280

ZBV B●4

530719



APE 1C2250

Body/fixing collar

For use with	Sold in lots of	Unit reference	Weight kg
Electrical block (contact or light)	10	**ZB5 AZ009**	0.006

Contact functions

Plug-in connector *(1)*

Contacts for standard applications

Description	Type of contact	N/O	N/C	Sold in lots of	Unit reference	Weight kg
Contact blocks	Single	1	–	**5**	**ZBE 1014**	0.011
		–	1	**5**	**ZBE 1024**	0.011
	Single with body/fixing collar	1	–	**1**	**ZB5 AZ1014**	0.018
		–	1	**1**	**ZB5 AZ1024**	0.018
		2	–	**1**	**ZB5 AZ1034**	0.026
		–	2	**1**	**ZB5 AZ1044**	0.026
		1	1	**1**	**ZB5 AZ1054**	0.026
		1	2	**1**	**ZB5 AZ1414**	0.036

Light blocks

Plug-in connector

Description	Supply voltage (V)	Colour of light source	Sold in lots of	Unit reference	Weight kg
Integral LED (to combine with heads for integral LED) Protected LED	⎓ 24 (50/60 Hz)	White	5	**ZBV B14**	0.016
		Green	5	**ZBV B34**	0.016
		Red	5	**ZBV B44**	0.016
		Orange	5	**ZBV B54**	0.016
		Blue	5	**ZBV B64**	0.016
	∼ 110…120 (50/60 Hz)	White	5	**ZBV G14**	0.016
		Green	5	**ZBV G34**	0.016
		Red	5	**ZBV G44**	0.016
		Orange	5	**ZBV G54**	0.016
		Blue	5	**ZBV G64**	0.016
	∼ 230…240 (50/60 Hz)	White	5	**ZBV M14**	0.016
		Green	5	**ZBV M34**	0.016
		Red	5	**ZBV M44**	0.016
		Orange	5	**ZBV M54**	0.016
		Blue	5	**ZBV M64**	0.016

Connecting cables and connector

Description	Number of connectors	Wire c.s.a. mm²	Length mm	Sold in lots of	Unit reference	Weight kg
Cables with connectors 2-pin, 5.08 mm pitch	1	0.75	500	8	**APE 1C2150**	0.120
	2	0.75	500	8	**APE 1C2250**	0.180
Spring terminal connector 2-pin, 5.08 mm pitch	–	0.2 to 2.5	–	10	**APE 1PRE21**	0.003

(1) It is not possible to fit an additional contact block on the back of these contact blocks.

General : page 80
Characteristics : page 88
Dimensions : page 146

Control and signalling units Ø 22

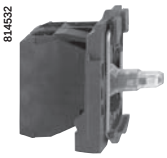
Harmony® XB5, plastic

Body/contact assemblies + light blocks with integral LED

To combine with:
heads, see pages 99 to 115
contacts, see page 120

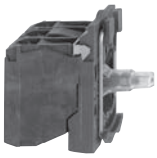
Complete body/contact assemblies and light blocks *(1)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)



814532

ZB5 AW0●●1



814533

ZB5 AW0●●3

Light source	Supply voltage V	Type of contact N/O	Type of contact N/C	Colour of light source	Reference	Weight kg
Direct supply						
Integral LED Protected LED	⎓ 24 (50/60 Hz)	1	–	White	**ZB5 AW0B11**	0.032
				Green	**ZB5 AW0B31**	0.032
				Red	**ZB5 AW0B41**	0.032
				Orange	**ZB5 AW0B51**	0.032
				Blue	**ZB5 AW0B61**	0.032
		–	1	White	**ZB5 AW0B12**	0.032
				Green	**ZB5 AW0B32**	0.032
				Red	**ZB5 AW0B42**	0.032
				Orange	**ZB5 AW0B52**	0.032
				Blue	**ZB5 AW0B62**	0.032
		2	–	White	**ZB5 AW0B13**	0.042
				Green	**ZB5 AW0B33**	0.042
				Red	**ZB5 AW0B43**	0.042
				Orange	**ZB5 AW0B53**	0.042
				Blue	**ZB5 AW0B63**	0.042
		1	1	White	**ZB5 AW0B15**	0.042
				Green	**ZB5 AW0B35**	0.042
				Red	**ZB5 AW0B45**	0.042
				Orange	**ZB5 AW0B55**	0.042
				Blue	**ZB5 AW0B65**	0.042
	∼ 110...120 (50/60 Hz)	1	–	White	**ZB5 AW0G11**	0.032
				Green	**ZB5 AW0G31**	0.032
				Red	**ZB5 AW0G41**	0.032
				Orange	**ZB5 AW0G51**	0.032
				Blue	**ZB5 AW0G61**	0.032
		–	1	White	**ZB5 AW0G12**	0.032
				Green	**ZB5 AW0G32**	0.032
				Red	**ZB5 AW0G42**	0.032
				Orange	**ZB5 AW0G52**	0.032
				Blue	**ZB5 AW0G62**	0.032
		2	–	White	**ZB5 AW0G13**	0.042
				Green	**ZB5 AW0G33**	0.042
				Red	**ZB5 AW0G43**	0.042
				Orange	**ZB5 AW0G53**	0.042
				Blue	**ZB5 AW0G63**	0.042
		1	1	White	**ZB5 AW0G15**	0.042
				Green	**ZB5 AW0G35**	0.042
				Red	**ZB5 AW0G45**	0.042
				Orange	**ZB5 AW0G55**	0.042
				Blue	**ZB5 AW0G65**	0.042

(1) Can be fitted with additional contact blocks: see page 120.

Other versions Complete bodies with Faston connector terminals (6.35 or 2 x 2.8).
Please consult your Regional Sales Office.

Control and signalling units Ø 22

Harmony® XB5, plastic

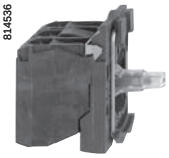
Body/contact assemblies + light blocks with integral LED

To combine with:
heads, see pages 99 to 115
contacts, see page 120

814537

ZB5 AW0●●1

814536



ZB5 AW0●●3

Complete body/contact assemblies and light blocks *(1) (continued)*

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Light source	Supply voltage V	Type of contact N/O	Type of contact N/C	Colour of light source	Reference	Weight kg
Direct supply *(continued)*						
Integral LED Protected LED	∼ 230…240 (50/60 Hz)	1	–	White	**ZB5 AW0M11**	0.032
				Green	**ZB5 AW0M31**	0.032
				Red	**ZB5 AW0M41**	0.032
				Orange	**ZB5 AW0M51**	0.032
				Blue	**ZB5 AW0M61**	0.032
		–	1	White	**ZB5 AW0M12**	0.032
				Green	**ZB5 AW0M32**	0.032
				Red	**ZB5 AW0M42**	0.032
				Orange	**ZB5 AW0M52**	0.032
				Blue	**ZB5 AW0M62**	0.032
		2	–	White	**ZB5 AW0M13**	0.042
				Green	**ZB5 AW0M33**	0.042
				Red	**ZB5 AW0M43**	0.042
				Orange	**ZB5 AW0M53**	0.042
				Blue	**ZB5 AW0M63**	0.042
		1	1	White	**ZB5 AW0M15**	0.042
				Green	**ZB5 AW0M35**	0.042
				Red	**ZB5 AW0M45**	0.042
				Orange	**ZB5 AW0M55**	0.042
				Blue	**ZB5 AW0M65**	0.042

(1) Can be fitted with additional contact blocks: see page 120.

Other versions Complete bodies with Faston connector terminals (6.35 or 2 x 2.8).
Please consult your Regional Sales Office.

Control and signalling units Ø 22

Harmony® XB5, plastic

Body/light assemblies for pilot lights with integral LED

To combine with:
heads, see page 116
contacts, see page 120

563090

ZB5 AV●●

Complete light bodies (fixing collar + light block with integral LED)
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Light source	Supply voltage V	Colour of light source	Reference	Weight kg
Integral LED Protected LED	⎓ 12 (50/60 Hz)	White	**ZB5 AVJ1**	0.022
		Green	**ZB5 AVJ3**	0.022
		Red	**ZB5 AVJ4**	0.022
		Orange	**ZB5 AVJ5**	0.022
		Blue	**ZB5 AVJ6**	0.022
	⎓ 24 *(1)* (50/60 Hz)	White	**ZB5 AVB1**	0.022
		Green	**ZB5 AVB3**	0.022
		Red	**ZB5 AVB4**	0.022
		Orange	**ZB5 AVB5**	0.022
		Blue	**ZB5 AVB6**	0.022
	⎓24…120 (50/60 Hz)	White	**ZB5 AVBG1**	0.022
		Green	**ZB5 AVBG3**	0.022
		Red	**ZB5 AVBG4**	0.022
		Orange	**ZB5 AVBG5**	0.022
		Blue	**ZB5 AVBG6**	0.022
	∼ 110...120 *(1)* (50/60 Hz)	White	**ZB5 AVG1**	0.022
		Green	**ZB5 AVG3**	0.022
		Red	**ZB5 AVG4**	0.022
		Orange	**ZB5 AVG5**	0.022
		Blue	**ZB5 AVG6**	0.022
	∼ 230…240 *(1)* (50/60 Hz)	White	**ZB5 AVM1**	0.022
		Green	**ZB5 AVM3**	0.022
		Red	**ZB5 AVM4**	0.022
		Orange	**ZB5 AVM5**	0.022
		Blue	**ZB5 AVM6**	0.022

(1) Complete bodies with Faston connector terminals (6.35 or 2 x 2.8), see page 121.

Control and signalling units Ø 22

Harmony® XB5, plastic

Body/light assemblies for pilot lights with integral LED

To combine with:
heads, see page 116
contacts, see page 120

ZB5 AVB●156

Complete light bodies with 3-terminal "test" function

(fixing collar + light block with integral LED + pre-wired block for "test light" function)
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Light source	Supply voltage V	Colour of light source	Reference	Weight kg
Integral LED Protected LED	⎓ 24 *(1)* (50/60 Hz)	White	**ZB5 AVB1156**	0.022
		Green	**ZB5 AVB3156**	0.022
		Red	**ZB5 AVB4156**	0.022
		Orange	**ZB5 AVB5156**	0.022
		Blue	**ZB5 AVB6156**	0.022

Complete bodies with flashing pilot light (fixing collar + light block with integral LED)

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Light source	Supply voltage V	Colour of light source	Reference	Weight kg
Integral LED Protected LED	⎓ 24 (50/60 Hz)	White	**ZB5 AV18B1**	0.022
		Green	**ZB5 AV18B3**	0.022
		Red	**ZB5 AV18B4**	0.022
		Orange	**ZB5 AV18B5**	0.022
		Blue	**ZB5 AV18B6**	0.022
	∼ 110…120 (50/60 Hz)	White	**ZB5 AV18G1**	0.022
		Green	**ZB5 AV18G3**	0.022
		Red	**ZB5 AV18G4**	0.022
		Orange	**ZB5 AV18G5**	0.022
		Blue	**ZB5 AV18G6**	0.022
	∼ 230…240 (50/60 Hz)	White	**ZB5 AV18M1**	0.022
		Green	**ZB5 AV18M3**	0.022
		Red	**ZB5 AV18M4**	0.022
		Orange	**ZB5 AV18M5**	0.022
		Blue	**ZB5 AV18M6**	0.022

*(1) For a ∼ 120 or 230 V supply, use complete body **ZB5 AVG●** or **ZB5 AVM●** with block for "test light" function type **ZBZ M156**, see page 121.*

General : page 80
Characteristics : page 88
Dimensions : page 146

Control and signalling units Ø 22

Harmony® XB5, plastic

Body/contact assemblies + light blocks with BA 9s base fitting

To combine with heads, see page 98 to 113
contacts, see page 120

814549

ZB5 AW065

563158

ZB5 AW035

Complete body/contact assemblies and light blocks *(1)*
For bulb with BA 9s base fitting (incandescent, neon or LED)
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Light source	Supply voltage V	Type of contact N/O	Type of contact N/C	Colour of light source	Reference	Weight kg
Direct supply						
BA 9s base fitting bulb, 2.4 W max., not included *(2)*	≤ 250	1	–	–	**ZB5 AW061**	0.031
		–	1	–	**ZB5 AW062**	0.031
		2	–	–	**ZB5 AW063**	0.041
		1	1	–	**ZB5 AW065**	0.041
Supply via integral transformer (1.2 VA, 6 V secondary)						
Incandescent BA 9s base fitting bulb, included	∿ 110…120 50/60 Hz	1	–	–	**ZB5 AW031**	0.110
		1	1	–	**ZB5 AW035**	0.119
	∿ 230 50 Hz ∿ 220…240 60 Hz	1	–	–	**ZB5 AW041**	0.110
		1	1	–	**ZB5 AW045**	0.119
	∿ 400 50 Hz	1	–	–	**ZB5 AW051**	0.110
		1	1	–	**ZB5 AW055**	0.119
BA9s base fitting LED, included	∿ 110…120 50/60 Hz	1	1	White	**ZB5 AW03D15**	0.119
				Green	**ZB5 AW03D35**	0.119
				Red	**ZB5 AW03D45**	0.119
				Orange	**ZB5 AW03D55**	0.119
				Blue	**ZB5 AW03D65**	0.119
	∿ 230 50 Hz ∿ 220…240 60 Hz	1	1	White	**ZB5 AW04D15**	0.119
				Green	**ZB5 AW04D35**	0.119
				Red	**ZB5 AW04D45**	0.119
				Orange	**ZB5 AW04D55**	0.119
				Blue	**ZB5 AW04D65**	0.119
	∿ 400 50/60 Hz	1	1	White	**ZB5 AW05D15**	0.120
				Green	**ZB5 AW05D35**	0.120
				Red	**ZB5 AW05D45**	0.120
				Orange	**ZB5 AW05D55**	0.120
				Blue	**ZB5 AW05D65**	0.120

(1) Can be fitted with additional contact blocks: see page 120.
(2) Bulb to be ordered separately: see page 144.

Other versions Complete bodies with integral transformer incorporating Faston connector terminals (6.35 or 2 x 2.8). Please consult your Regional Sales Office.

Control and signalling units Ø 22

Harmony® XB5, plastic

Light bodies for pilot lights with BA 9s base fitting

To combine with:
heads, see page 121
contacts, see page 120

Light blocks

Screw clamp terminal connections (Schneider Electric anti-retightening system)

Description	Supply voltage V	Sold in lots of	Unit reference	Weight kg
Direct supply for BA 9s base fitting bulb, 2.4 W max., not included *(1)*	≤ 250	5	**ZBV 6**	0.016

Complete light bodies (fixing collar + light block)

For bulb with BA 9s base fitting (incandescent, neon or LED)
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Light source	Supply voltage V	Colour of light source	Reference	Weight kg
Direct supply				
BA 9s base fitting bulb, 2.4 W max, not included *(1)*	≤ 250	–	**ZB5 AV6**	0.022
Supply via integral transformer (1.2 VA, 6 V secondary)				
BA 9s base fitting incandescent bulb, included	∿ 110…120 -50/60 Hz	–	**ZB5 AV3**	0.099
	∿ 230 - 50 Hz ∿ 220…240 - 60 Hz	–	**ZB5 AV4**	0.099
	∿ 400 - 50 Hz	–	**ZB5 AV5**	0.099
	∿ 440…480 - 60 Hz	–	**ZB5 AV8**	0.099
	∿ 550…600 - 60 Hz	–	**ZB5 AV9**	0.099
BA 9s base fitting LED, included	∿ 110…120 - 50/60 Hz	White	**ZB5 AV3D1**	0.102
		Green	**ZB5 AV3D3**	0.102
		Red	**ZB5 AV3D4**	0.102
		Orange	**ZB5 AV3D5**	0.102
		Blue	**ZB5 AV3D6**	0.102
	∿ 230 - 50 Hz ∿ 220…240 - 60 Hz	White	**ZB5 AV4D1**	0.102
		Green	**ZB5 AV4D3**	0.102
		Red	**ZB5 AV4D4**	0.102
		Orange	**ZB5 AV4D5**	0.102
		Blue	**ZB5 AV4D6**	0.102
	∿ 400 - 50/60 Hz	White	**ZB5 AV5D1**	0.102
		Green	**ZB5 AV5D3**	0.102
		Red	**ZB5 AV5D4**	0.102
		Orange	**ZB5 AV5D5**	0.102
		Blue	**ZB5 AV5D6**	0.102

834524

ZB5 AV6

814523

ZB5 AV3

Complete light bodies with 3-terminal "test" function (fixing collar + light block)

For bulb with BA 9s base fitting (incandescent, neon or LED)
Screw clamp terminal connections (Schneider Electric anti-retightening system)

Light source	Supply voltage V	Reference	Weight kg
Direct supply			
BA 9s base fitting bulb, 2.4 W max, not included *(1)*	≤ 250	**ZB5 AV156**	0.021

(1) Bulb to be ordered separately, see page 144.

522068

ZB5 AV156

Other versions Complete bodies with Faston connector terminals (6.35 or 2 x 2.8), *see page* 121.

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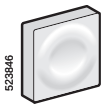
Control and signalling units Ø 22

Harmony® XB5 plastic

Accessories for heads: caps

ZBA ●

ZBL ●



ZBC 1

Pushbutton caps - unmarked

For use with	Type of push	Colour	Sold in lots of	Unit reference	Weight kg
ZB5 AA0 circular pushbutton heads supplied without cap	Flush	White	10	**ZBA 1**	0.001
		Black	10	**ZBA 2**	0.001
		Green	10	**ZBA 3**	0.001
		Red	10	**ZBA 4**	0.001
		Yellow	10	**ZBA 5**	0.001
		Blue	10	**ZBA 6**	0.001
		6 colours *(1)*	1	**ZBA 9**	0.006
	Projecting	White	10	**ZBL 1**	0.001
		Black	10	**ZBL 2**	0.001
		Green	10	**ZBL 3**	0.001
		Red	10	**ZBL 4**	0.001
		Yellow	10	**ZBL 5**	0.001
		Blue	10	**ZBL 6**	0.001
		6 colours *(1)*	1	**ZBL 9**	0.006
ZB5 CA0 square pushbutton heads supplied without cap	Flush	White	10	**ZBC 1**	0.001
		Black	10	**ZBC 2**	0.001
		Green	10	**ZBC 3**	0.001
		Red	10	**ZBC 4**	0.001
		Yellow	10	**ZBC 5**	0.001
		Blue	10	**ZBC 6**	0.001

(1) Set of 6 different coloured caps: white, black, green, red, yellow, blue.

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Control and signalling units Ø 22

Harmony® XB5 plastic

Accessories for heads: marked pushbutton caps

ZBA ●33

Pushbutton caps - marked

For use with	Type of push	Marking Text	Marking Colour	Colour of cap	Unit reference	Weight kg
ZB5 AA0 circular pushbutton heads supplied without cap **(sold in lots of 10)**	Flush	I *(1)*	White	Green	**ZBA 331**	0.001
			Black	White	**ZBA 131**	0.001
		II	White	Green	**ZBA 336**	0.001
			Black	White	**ZBA 136**	0.001
		III	White	Green	**ZBA 337**	0.001
			Black	White	**ZBA 137**	0.001
		IV	White	Green	**ZBA 338**	0.001
			Black	White	**ZBL 138**	0.001
		START *(1)*	White	Green	**ZBA 333**	0.001
			Black	White	**ZBA 133**	0.001
		ON	White	Green	**ZBA 341**	0.001
			Black	White	**ZBA 141**	0.001
		MARCHE	White	Green	**ZBA 342**	0.001
			Black	White	**ZBA 142**	0.001
		UP *(1)*	Black	White	**ZBA 343**	0.001
		DOWN *(1)*	White	Black	**ZBA 344**	0.001
		⊤ *(1)*	White	Black	**ZBA 245**	0.001
			Black	White	**ZBA 145**	0.001
		↑ *(2)*	White	Black	**ZBA 335**	0.001
			Black	White	**ZBA 334**	0.001
		O *(1)*	White	Red	**ZBA 432**	0.001
				Black	**ZBA 232**	0.001
		ARRET	White	Red	**ZBA 433**	0.001
				Black	**ZBA 233**	0.001
		STOP *(1)*	White	Red	**ZBA 434**	0.001
				Black	**ZBA 234**	0.001
		OFF	White	Red	**ZBA 435**	0.001
				Black	**ZBA 235**	0.001
		◇	White	Green	**ZBA 346**	0.001
		R *(1)*	White	Blue	**ZBA 639**	0.001
		+	White	Black	**ZBA 2934**	0.001
		–	White	Black	**ZBA 2935**	0.001

(1) Double injection moulded marking.
(2) Can be clipped-in at 90° steps, through 360°

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Control and signalling units Ø 22

Harmony® XB5 plastic

Accessories for heads: boots

814334

ZBP 0

Transparent boots for pushbuttons *(1)*

Description	For use with pushbutton types	Sold in lots of	Unit reference	Weight kg
Single boots	Flush with circular head	10	**ZBP A**	0.002
	Projecting with circular head	10	**ZBP 0**	0.002
	Flush or projecting with circular head for food industry applications	10	**ZBP 0A**	0.002

Coloured boots

Description	Colour	Sold in lots of	Unit reference	Weight kg
Coloured boots (can be replaced without dismantling the head)	Black	10	**ZB2 BP012**	0.003
	Green	10	**ZB2 BP013**	0.003
	Red	10	**ZB2 BP014**	0.003
	Orange	10	**ZB2 BP015**	0.003
	Blue	10	**ZB2 BP016**	0.003

(1) Boots for multiple-headed pushbuttons: see page 103.

Control and signalling units Ø 22

Harmony® XB5 plastic

Accessories for heads: lens caps

ZBV 01●3

ZBV 01●

Lens caps

For use with	Colour	Sold in lots of	Unit reference	Weight kg
Circular lens caps for light sources with integral LED				
Pilot lights	White	10	**ZBV 0113**	0.002
	Green	10	**ZBV 0133**	0.002
	Red	10	**ZBV 0143**	0.002
	Orange	10	**ZBV 0153**	0.002
	Blue	10	**ZBV 0163**	0.002
	5 different coloured grooved lenses *(1)*	1	**ZBV 0103S**	0.010
Illuminated pushbuttons, with flush push	White	10	**ZBW 9113**	0.002
	Green	10	**ZBW 9133**	0.002
	Red	10	**ZBW 9143**	0.002
	Orange	10	**ZBW 9153**	0.002
	Blue	10	**ZBW 9163**	0.002
Illuminated pushbuttons, with projecting push	White	10	**ZBW 9313**	0.002
	Green	10	**ZBW 9333**	0.002
	Red	10	**ZBW 9343**	0.002
	Orange	10	**ZBW 9353**	0.002
	Blue	10	**ZBW 9363**	0.002
Square lens caps for light sources with integral LED				
Pilot lights	White	10	**ZBC V0113**	0.002
	Green	10	**ZBC V0133**	0.002
	Red	10	**ZBC V0143**	0.002
	Orange	10	**ZBC V0153**	0.002
	Blue	10	**ZBC V0163**	0.002
Illuminated pushbuttons, with flush push	White	10	**ZBC W9113**	0.002
	Green	10	**ZBC W9133**	0.002
	Red	10	**ZBC W9143**	0.002
	Orange	10	**ZBC W9153**	0.002
	Blue	10	**ZBC W9163**	0.002
Illuminated pushbuttons, with projecting push	White	10	**ZBC W9313**	0.002
	Green	10	**ZBC W9333**	0.002
	Red	10	**ZBC W9343**	0.002
	Orange	10	**ZBC W9353**	0.002
	Blue	10	**ZBC W9363**	0.002
Circular lens caps for light sources with BA 9s base fitting				
Pilot lights	White	10	**ZBV 011**	0.002
	Green	10	**ZBV 013**	0.002
	Red	10	**ZBV 014**	0.002
	Orange	10	**ZBV 015**	0.002
	Blue	10	**ZBV 016**	0.002
	Clear	10	**ZBV 017**	0.002
Illuminated pushbuttons. with flush push	White	10	**ZBW 911**	0.002
	Green	10	**ZBW 913**	0.002
	Red	10	**ZBW 914**	0.002
	Orange	10	**ZBW 915**	0.002
	Blue	10	**ZBW 916**	0.002
	Clear	10	**ZBW 917**	0.002
Illuminated pushbuttons. with projecting push	White	10	**ZBW 931**	0.002
	Green	10	**ZBW 933**	0.002
	Red	10	**ZBW 934**	0.002
	Orange	10	**ZBW 935**	0.002
	Blue	10	**ZBW 936**	0.002
	Clear	10	**ZBW 937**	0.002

(1) Clear, green, red, orange, blue.

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Control and signalling units Ø 22

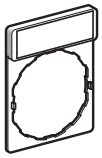
Harmony® XB5 plastic

8 x 27 mm legends with 30 x 40 mm legend holders

814295

ZBZ 32

814296



ZBY ●101

814297

ZBY 2107

Standard (30 x 40 mm) legend holders for 8 x 27 mm legends *(1)*

Description	Legend Colour	Legend Marking	Sold in lots of	Unit reference	Weight kg
Without legend	–	–	10	**ZBZ 32**	0.001
With blank legend (for engraving)	Black or red background	–	10	**ZBY 2101**	0.002
	White or yellow background	–	10	**ZBY 4101**	0.002
With 8 x 27 mm legend (with International marking)	Black or red background	O (black background)	1	**ZBY 2146**	0.002
		O (red background)	1	**ZBY 2931**	0.002
		I	1	**ZBY 2147**	0.002
		II	1	**ZBY 2148**	0.002
		O-I	1	**ZBY 2178**	0.002
		I-II	1	**ZBY 2179**	0.002
		I-O-II	1	**ZBY 2186**	0.002
		AUTO	1	**ZBY 2115**	0.002
		STOP	1	**ZBY 2304**	0.002
With 8 x 27 mm legend (with French language marking)	Black or red background *(2)*	ARRET (red background)	1	**ZBY 2104**	0.002
		ARRET (black background)	1	**ZBY 0104**	0.002
		ARRET GENERAL	1	**ZBY 2129**	0.002
		ARRET REARMEMENT	1	**ZBY 2133**	0.002
		ARRET-MARCHE	1	**ZBY 2166**	0.002
		ARRIERE	1	**ZBY 2106**	0.002
		AUTO CYCLE-CYCLE	1	**ZBY 2198**	0.002
		AUTO CYCLE-MAIN	1	**ZBY 2199**	0.002
		AUTO-MAIN	1	**ZBY 2164**	0.002
		AUTO-O-MAIN	1	**ZBY 2185**	0.002
		AVANT	1	**ZBY 2105**	0.002
		AVANT-O-ARRIERE	1	**ZBY 2184**	0.002
		C-P-C-NORMAL	1	**ZBY 2165**	0.002
		CYCLE-MAIN	1	**ZBY 2197**	0.002
		DECLENCHEMENT	1	**ZBY 2132**	0.002
		DEFAUT (black background)	1	**ZBY 2134**	0.002
		DEFAUT (red background)	1	**ZBY 2135**	0.002
		DEPART CYCLE	1	**ZBY 2195**	0.002
		DESCENTE	1	**ZBY 2108**	0.002
		DROITE	1	**ZBY 2109**	0.002
		ENCLENCHEMENT	1	**ZBY 2131**	0.002
		EN SERVICE	1	**ZBY 2111**	0.002
		FERMETURE	1	**ZBY 2114**	0.002
		GAUCHE	1	**ZBY 2110**	0.002
		HORS SERVICE	1	**ZBY 2112**	0.002
		HORS-EN	1	**ZBY 2167**	0.002
		LENT	1	**ZBY 2127**	0.002
		MAIN	1	**ZBY 2116**	0.002
		MARCHE	1	**ZBY 2103**	0.002
		MONTEE	1	**ZBY 2107**	0.002
		OUVERTURE	1	**ZBY 2113**	0.002
		PHASE / PHASE	1	**ZBY 2196**	0.002
		REARMEMENT (red background)	1	**ZBY 2123**	0.002
		REARMEMENT (black background)	1	**ZBY 0123**	0.002
		SOUS TENSION	1	**ZBY 2126**	0.002
		VITE	1	**ZBY 2128**	0.002
	Yellow background	ARRET D'URGENCE	1	**ZBY 2130**	0.002

(1) For legends, see pages 138 to 140.
(2) "Start" functions: white letters on black background. "Stop" functions: white letters on red background (unless otherwise specified above).

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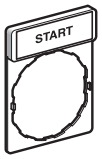
Control and signalling units Ø 22

Harmony® XB5 plastic

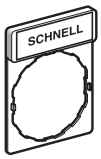
8 x 27 mm legends with 30 x 40 mm legend holders

814300



ZBY 2303

814299



ZBY 2228

Standard (30 x 40 mm) legend holders with 8 x 27 mm legends (continued)

Description	Legend		Reference	Weight kg
	Colour	Marking		
With legend (with English language marking)	Black or red background *(1)*	AUTO-HAND	**ZBY 2364**	0.002
		AUTO-O-HAND	**ZBY 2385**	0.002
		CLOSE	**ZBY 2314**	0.002
		DOWN	**ZBY 2308**	0.002
		FAST	**ZBY 2328**	0.002
		FORWARD	**ZBY 2305**	0.002
		HAND	**ZBY 2316**	0.002
		HAND-OFF-AUTO	**ZBY 2387**	0.002
		INCH	**ZBY 2321**	0.002
		LEFT	**ZBY 2310**	0.002
		OFF	**ZBY 2312**	0.002
		OFF-ON	**ZBY 2367**	0.002
		ON	**ZBY 2311**	0.002
		OPEN	**ZBY 2313**	0.002
		POWER ON	**ZBY 2326**	0.002
		RESET (red background)	**ZBY 2323**	0.002
		RESET (black background)	**ZBY 2322**	0.002
		REVERSE	**ZBY 2306**	0.002
		RIGHT	**ZBY 2309**	0.002
		RUN	**ZBY 2334**	0.002
		SLOW	**ZBY 2327**	0.002
		START	**ZBY 2303**	0.002
		STOP-START	**ZBY 2366**	0.002
		UP	**ZBY 2307**	0.002
	Yellow background	EMERGENCY STOP	**ZBY 2330**	0.002
With legend (with German language marking)	Black or red background *(1)*	AB	**ZBY 2208**	0.002
		AUF	**ZBY 2207**	0.002
		AUS	**ZBY 2204**	0.002
		AUS-EIN	**ZBY 2266**	0.002
		AUS-IN BETRIEB	**ZBY 2267**	0.002
		AUS-RÜCKSTELLUNG	**ZBY 2233**	0.002
		AUSSCHALTEN	**ZBY 2232**	0.002
		AUTO-HAND	**ZBY 2364**	0.002
		AUTO-O-HAND	**ZBY 2385**	0.002
		AUTOZYKL-HAND	**ZBY 2299**	0.002
		AUTOZYKL- 1 ZYKL	**ZBY 2298**	0.002
		C-P-C-NORMAL	**ZBY 2265**	0.002
		EIN	**ZBY 2203**	0.002
		EINSCHALTEN	**ZBY 2231**	0.002
		HAND	**ZBY 2316**	0.002
		LANGSAM	**ZBY 2227**	0.002
		LINKS	**ZBY 2210**	0.002
		NOT-AUS (red background)	**ZBY 2230**	0.002
		NOT-HALT	**ZBY 2229**	0.002
		ÖFFNEN	**ZBY 2213**	0.002
		RECHTS	**ZBY 2209**	0.002
		RÜCKSTELLUNG	**ZBY 2223**	0.002
		SCHLIESSEN	**ZBY 2214**	0.002
		SCHNELL	**ZBY 2228**	0.002
		SPANNUNG EIN	**ZBY 2226**	0.002
		STEUERUNG AUS	**ZBY 2212**	0.002
		STEUERUNG EIN	**ZBY 2211**	0.002
		STÖRUNG (black background)	**ZBY 2234**	0.002
		STÖRUNG (red background)	**ZBY 2235**	0.002
		VOR	**ZBY 2205**	0.002
		VOR-O-ZURÜCK	**ZBY 2284**	0.002
		ZURÜCK	**ZBY 2206**	0.002
		ZYKLUS-HAND	**ZBY 2297**	0.002
		ZYKLUSSTART	**ZBY 2295**	0.002
	Yellow background	NOT-AUS	**ZBY 22420001**	0.002

(1) "Start" functions: white letters on black background. "Stop" functions: white letters on red background (unless otherwise specified above).

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Control and signalling units Ø 22

Harmony® XB5 plastic

Legends 8 x 27 mm

814310

ZBY 02178

814311

ZBY 0●104

8 x 27 mm marked legends (for 30 x 40 mm legend holders ZBZ 32 and ZBZ 34)

Colour	Marking		Reference	Weight kg
Black or red background *(1)*	International	O (black background)	**ZBY 02146**	0.001
		O (red background)	**ZBY 02931**	0.001
		I	**ZBY 02147**	0.001
		II	**ZBY 02148**	0.001
		O-I	**ZBY 02178**	0.001
		I-II	**ZBY 02179**	0.001
		I-O-II	**ZBY 02186**	0.001
		AUTO	**ZBY 02115**	0.001
		STOP	**ZBY 02304**	0.001
	French	ARRET (red background)	**ZBY 02104**	0.001
		ARRET (black background)	**ZBY 00104**	0.001
		ARRET GENERAL	**ZBY 02129**	0.001
		ARRET REARMEMENT	**ZBY 02133**	0.001
		ARRET-MARCHE	**ZBY 02166**	0.001
		ARRIERE	**ZBY 02106**	0.001
		AUTO CYCLE-CYCLE	**ZBY 02198**	0.001
		AUTO CYCLE-MAIN	**ZBY 02199**	0.001
		AUTO-MAIN	**ZBY 02164**	0.001
		AUTO-O-MAIN	**ZBY 02185**	0.001
		AVANT	**ZBY 02105**	0.001
		AVANT-O-ARRIERE	**ZBY 02184**	0.001
		C-P-C-NORMAL	**ZBY 02165**	0.001
		CYCLE-MAIN	**ZBY 02197**	0.001
		DECLENCHEMENT	**ZBY 02132**	0.001
		DEFAUT (black background)	**ZBY 02134**	0.001
		DEFAUT (red background)	**ZBY 02135**	0.001
		DEPART CYCLE	**ZBY 02195**	0.001
		DESCENTE	**ZBY 02108**	0.001
		DROITE	**ZBY 02109**	0.001
		ENCLENCHEMENT	**ZBY 02131**	0.001
		EN SERVICE	**ZBY 02111**	0.001
		FERMETURE	**ZBY 02114**	0.001
		GAUCHE	**ZBY 02110**	0.001
		HORS SERVICE	**ZBY 02112**	0.001
		HORS-EN	**ZBY 02167**	0.001
		LENT	**ZBY 02127**	0.001
		MAIN	**ZBY 02116**	0.001
		MARCHE	**ZBY 02103**	0.001
		MONTEE	**ZBY 02107**	0.001
		OUVERTURE	**ZBY 02113**	0.001
		PHASE / PHASE	**ZBY 02196**	0.001
		REARMEMENT (red background)	**ZBY 02123**	0.001
		REARMEMENT (black background)	**ZBY 00123**	0.001
		SOUS TENSION	**ZBY 02126**	0.001
		VITE	**ZBY 02128**	0.001
Yellow background	French	ARRET D'URGENCE	**ZBY 02130**	0.001

(1) "Start" functions: white letters on black background. "Stop" functions: white letters on red background (unless otherwise specified above).

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Control and signalling units Ø 22

Harmony® XB5 plastic

Legends 8 x 27 mm

814313

ZBY 02303

814314

ZBY 02228

8 x 27 mm marked legends (for 30 x 40 mm legend holders ZBZ 32 and ZBZ 34) (continued)

Colour	Marking		Reference	Weight kg
Black or red background *(1)*	English	AUTO-HAND	**ZBY 02364**	0.001
		AUTO-O-HAND	**ZBY 02385**	0.001
		CLOSE	**ZBY 02314**	0.001
		DOWN	**ZBY 02308**	0.001
		EMERGENCY STOP	**ZBY 02330**	0.001
		FAST	**ZBY 02328**	0.001
		FORWARD	**ZBY 02305**	0.001
		HAND	**ZBY 02316**	0.001
		HAND-OFF-AUTO	**ZBY 02387**	0.001
		INCH	**ZBY 02321**	0.001
		LEFT	**ZBY 02310**	0.001
		OFF	**ZBY 02312**	0.001
		OFF-ON	**ZBY 02367**	0.001
		ON	**ZBY 02311**	0.001
		OPEN	**ZBY 02313**	0.001
		POWER ON	**ZBY 02326**	0.001
		RESET (red background)	**ZBY 02323**	0.001
		RESET (black background)	**ZBY 02322**	0.001
		REVERSE	**ZBY 02306**	0.001
		RIGHT	**ZBY 02309**	0.001
		RUN	**ZBY 02334**	0.001
		SLOW	**ZBY 02327**	0.001
		START	**ZBY 02303**	0.001
		STOP-START	**ZBY 02366**	0.001
		UP	**ZBY 02307**	0.001
	German	AB	**ZBY 02208**	0.001
		AUF	**ZBY 02207**	0.001
		AUS	**ZBY 02204**	0.001
		AUS-EIN	**ZBY 02266**	0.001
		AUS-IN BETRIEB	**ZBY 02267**	0.001
		AUS-RÜCKSTELLUNG	**ZBY 02233**	0.001
		AUSSCHALTEN	**ZBY 02232**	0.001
		AUTO-HAND	**ZBY 02364**	0.001
		AUTO-O-HAND	**ZBY 02385**	0.001
		AUTOZYKL-HAND	**ZBY 02299**	0.001
		AUTOZYKL- 1 ZYKL	**ZBY 02298**	0.001
		C-P-C-NORMAL	**ZBY 02265**	0.001
		EIN	**ZBY 02203**	0.001
		EINSCHALTEN	**ZBY 02231**	0.001
		HAND	**ZBY 02316**	0.001
		LANGSAM	**ZBY 02227**	0.001
		LINKS	**ZBY 02210**	0.001
		NOT-AUS (red background)	**ZBY 02230**	0.001
		NOT-HALT	**ZBY 02229**	0.001
		ÖFFNEN	**ZBY 02213**	0.001
		RECHTS	**ZBY 02209**	0.001
		RÜCKSTELLUNG	**ZBY 02223**	0.001
		SCHLIESSEN	**ZBY 02214**	0.001
		SCHNELL	**ZBY 02228**	0.001
		SPANNUNG EIN	**ZBY 02226**	0.001
		STEUERUNG AUS	**ZBY 02212**	0.001
		STEUERUNG EIN	**ZBY 02211**	0.001
		STÖRUNG (black background)	**ZBY 02234**	0.001
		STÖRUNG (red background)	**ZBY 02235**	0.001
		VOR	**ZBY 02205**	0.001
		VOR-O-ZURÜCK	**ZBY 02284**	0.001
		ZURÜCK	**ZBY 02206**	0.001
		ZYKLUS-HAND	**ZBY 02297**	0.001
		ZYKLUSSTART	**ZBY 02295**	0.001
Yellow background	English	EMERGENCY STOP	**ZBY 02330**	0.001
	German	NOT-AUS	**ZBY 022420001**	0.001

(1) "Start" functions: white letters on black background. "Stop" functions: white letters on red background (unless otherwise specified above).

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Control and signalling units Ø 22

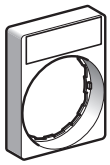
Harmony® XB5 plastic

Legend holders for 8 x 27 or 18 x 27 mm legends for engraving or printing

814620

ZBZ 34

814621



ZBY ●H101

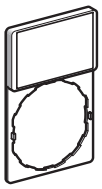
30 x 40 mm legend holder (flush mounting with bezel) for 8 x 27 mm legends

Description	For use with	Colour	Sold in lots of	Unit reference	Weight kg
Without legend	Circular heads	–	10	**ZBZ 34**	0.003
	Square heads	–	10	**ZBC Z34**	0.002
With blank legend	Circular heads	Black or red background	10	**ZBY 2H101**	0.004
		White or yellow background	10	**ZBY 4H101**	0.004
	Square heads	Black or red background	10	**ZBC Y2H101**	0.002
		White or yellow background	10	**ZBC Y4H101**	0.002

814622

ZBZ 33

814623



ZBY 610●

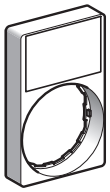
Standard (30 x 50 mm) legend holders for 18 x 27 mm legends

Description	For use with	Colour	Sold in lots of	Unit reference	Weight kg
Without legend	Circular and square heads	–	10	**ZBZ 33**	0.001
With blank legend	Circular and square heads	Black or red background	10	**ZBY 6101**	0.002
		White or yellow background	10	**ZBY 6102**	0.002

814624

ZBZ 35

814625

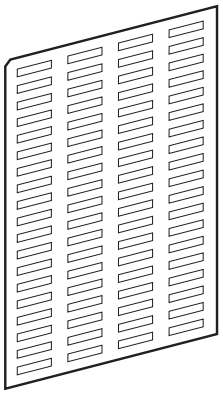


ZBY 6H10●

30 x 50 mm legend holder (flush mounting with bezel) for 18 x 27 mm legends

Description	For use with	Colour	Sold in lots of	Unit reference	Weight kg
Without legend	Circular heads	–	10	**ZBZ 35**	0.003
	Square heads	–	10	**ZBC Z35**	0.002
With blank legend	Circular heads	Black or red background	10	**ZBY 6H101**	0.004
		White or yellow background	10	**ZBY 6H102**	0.004
	Square heads	Black or red background	10	**ZBC Y6H101**	0.003
		White or yellow background	10	**ZBC Y6H102**	0.003

814627



ZBY 4100

Legends for engraving

Description mm	For use with	Colour	Sold in lots of	Unit reference	Weight kg
8 x 27	30 x 40 mm legend holder	Black or red background	10	**ZBY 0101**	0.001
		White or yellow background	10	**ZBY 0102**	0.001
18 x 27	30 x 50 mm legend holder	Black or red background	10	**ZBY 5101**	0.001
		White or yellow background	10	**ZBY 5102**	0.001

Sheets of peel-off legends (with backing board and protective transparent cover)

Description	For use with	Sold in lots of	Unit reference	Weight kg
Sheet of 76 8 x 27 mm legends	30 x 40 mm legend holder ZBZ 32 and ZBZ 34	10	**ZBY 4100**	0.043
Sheet of 40 18 x 27 mm legends	30 x 50 mm legend holder ZBZ 33 and ZBZ 35	10	**ZBY 5100**	0.044

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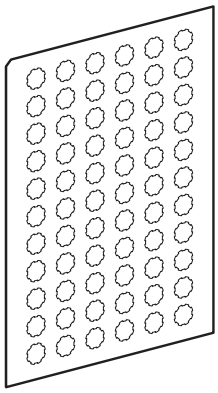
Schneider Electric

Control and signalling units Ø 22

Harmony® XB5 plastic

Legends, for printing, pre-printed, labelling software

814634



ZBY 1101

Legends for XB5 A pushbuttons, illuminated pushbuttons and pilot lights

Description	Marking		Sold in lots of	Unit reference	Weight kg
Sheets of 66 circular peel-off, transparent, self-adhesive legends	Without		10	**ZBY 1101**	0.017
Strips of 66 circular peel-off, transparent, self-adhesive legends	International	O	10	**ZBY 1146**	0.017
		I	10	**ZBY 1147**	0.017
		II	10	**ZBY 1148**	0.017
		III	10	**ZBY 1149**	0.017
		STOP	10	**ZBY 1304**	0.017
		⬆	10	**ZBY 1912**	0.017
	French	ARRET	10	**ZBY 1104**	0.017
		ARRIERE	10	**ZBY 1106**	0.017
		AUTO	10	**ZBY 1115**	0.017
		AVANT	10	**ZBY 1105**	0.017
		DESCENTE	10	**ZBY 1108**	0.017
		MAIN	10	**ZBY 1116**	0.017
		MARCHE	10	**ZBY 1103**	0.017
		MONTEE	10	**ZBY 1107**	0.017
	English	HAND	10	**ZBY 1316**	0.017
		OFF	10	**ZBY 1312**	0.017
		ON	10	**ZBY 1311**	0.017
		START	10	**ZBY 1303**	0.017
	German	AB	10	**ZBY 1208**	0.017
		AUF	10	**ZBY 1207**	0.017
		AUS	10	**ZBY 1204**	0.017
		EIN	10	**ZBY 1203**	0.017
		ZU	10	**ZBY 1214**	0.017
Strip of 66 square peel-off, transparent, self-adhesive legends	Without		10	**ZBC Y1101**	0.017

540548

XBY 2U

"SIS Label" labelling software

Application	For use with	Reference	Weight kg
Legend design for English, French, German, Spanish, Italian	ZBY 1101, ZBY 001 ZBY 0101 and ZBY 0102 ZBY 5101 and ZBY 5102	**XBY 2U**	0.100

Circular yellow legends for mushroom head pushbuttons

539640

ZBY 9130

Used for "Emergency stop" function

Diameter mm	Conforming to standards	Marking on yellow background	Reference	Weight kg
60	EN/IEC 60204-1 and EN/ISO 13850:2006	–	**ZBY 9140** n	0.004
		ARRET D'URGENCE	**ZBY 9130** n	0.004
		EMERGENCY STOP	**ZBY 9330** n	0.004
		NOT-HALT	**ZBY 9230** n	0.004
		PARADA DE EMERGENCIA	**ZBY 9430** n	0.004
		ARRESTO DE EMERGENZA	**ZBY 9630** n	0.004
90	EN/IEC 60204-1 and EN/ISO 13850:2006	–	**ZBY 8140** n	0.008
		ARRET D'URGENCE	**ZBY 8130** n	0.008
		EMERGENCY STOP	**ZBY 8330** n	0.008
		NOT-HALT	**ZBY 8230** n	0.008
		PARADA DE EMERGENCIA	**ZBY 8430** n	0.008
		ARRESTO DE EMERGENZA	**ZBY 8630** n	0.008

539642

ZBY 9160

Used for "Emergency switching off" function

60	EN/IEC 60204-1	–	**ZBY 9101**	0.004
		COUPURE D'URGENCE	**ZBY 9160**	0.004
		EMERGENCY SWITCHING OFF	**ZBY 9360**	0.004
		NOT-AUS	**ZBY 9260**	0.004
		DESCONEXION DE EMERGENCIA	**ZBY 9460**	0.004
		INTERRUZIONE DI EMERGENZA	**ZBY 9660**	0.004
90	EN/IEC 60204-1	–	**ZBY 8101**	0.008
		COUPURE D'URGENCE	**ZBY 8160**	0.008
		EMERGENCY SWITCHING OFF	**ZBY 8360**	0.008
		NOT-AUS	**ZBY 8260**	0.008
		DESCONEXION DE EMERGENCIA	**ZBY 8460**	0.008
		INTERRUZIONE DI EMERGENZA	**ZBY 8660**	0.008

n New

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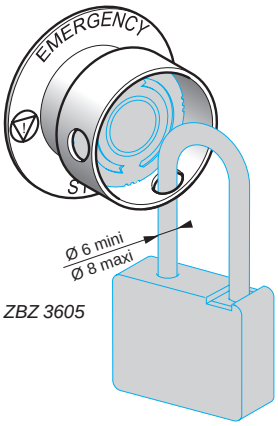
Control and signalling units Ø 22

Harmony® XB5 plastic

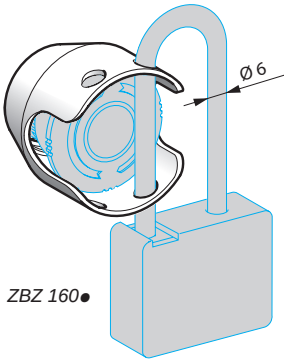
Accessories for pushbuttons



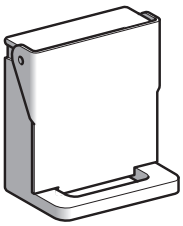
ZBZ 3605

ZBY 9130T

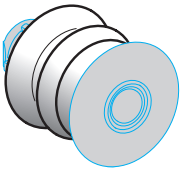
ZBY 9160T



ZBZ 160●



ZB4 BZ64



ZBZ ●8

Accessories for mushroom head pushbuttons

Used for Emergency stop *(1)* or Emergency switching off function *(2)*

Description	For use with	Colour Yellow	Reference	Weight kg
Padlocking kit *(3) (4)* (padlockable)	Emergency stop *(1)* and Emergency switching off function *(2)*, only with the following Ø 40 trigger action pushbuttons: XB5 AS844●, XB5 AS944●, ZB5 AS844, ZB5 AS944●.		**ZBZ 3605**	0.045

Description	Marking	Colour	Reference	Weight kg
Ø 60 mm legend for padlocking device ZBZ 3605 For Emergency stop function *(1)*	Without	Yellow	**ZBY 9140T**	0.004
	ARRET D'URGENCE	Yellow	**ZBY 9130T**	0.004
	EMERGENCY STOP	Yellow	**ZBY 9330T**	0.004
	NOT-HALT	Yellow	**ZBY 9230T**	0.004
Ø 60 mm legend for padlocking device ZBZ 3605 For Emergency switching off function *(2)*	Without	Yellow	**ZBY 9101T**	0.004
	COUPURE D'URGENCE	Yellow	**ZBY 9160T**	0.004
	EMERGENCY SWITCHING OFF	Yellow	**ZBY 9360T**	0.004
	NOT-AUS	Yellow	**ZBY 9260T**	0.004
Metal guards Padlockable *(4)*	Emergency stop function *(1)* only with the following Ø 40 trigger action pushbuttons: XB5 AT845, XB5 AS844 XB5 AS9445, ZB5 AT84, ZB5 AS844, ZB5 AS944.	Chromium plated	**ZBZ 1600**	0.046
		Black	**ZBZ 1602**	0.046
		Red	**ZBZ 1604**	0.046
		Blue	**ZBZ 1606**	0.046

Other accessories

Description	For use with	Colour	Reference	Weight kg
Plastic guard	Selector switches and key switches	Black	**ZBZ 2102**	0.005
Padlockable flaps	Pushbuttons	Black	**ZB4 BZ62**	0.076
		Red	**ZB4 BZ64**	0.076
		Yellow	**ZB4 BZ65**	0.076
		Blue	**ZB4 BZ66**	0.076

Description	Application	Material	Colour	Sold in lots of	Unit reference	Weight kg
Bellows seals for harsh environments (IP 69K) *(5)*	Environments subject to humidity, dust, high-pressure cleaning etc…	Silicone	Red	2	**ZBZ 48**	0.009
		EPDM	Black	2	**ZBZ 28**	0.009
			Yellow	2	**ZBZ 58**	0.009

(1) Ensures conformity with standards EN/IEC 60204-1 and EN/ISO 13850:2006.
(2) Ensures conformity with standard EN/IEC 60204-1.
*(3) Standard circular legends are not compatible with this product. Use special legends **ZBY 9●●●T**.*
(4) No isolation function is possible when this guard is fitted.
*(5) Only when mounted on control stations. Use legends **ZBY 9●●●T**.*

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Control and signalling units Ø 22

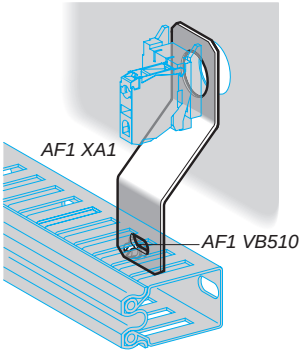
Harmony® XB5 plastic

Accessories for pushbuttons

ZB5 SZ3

Other accessories *(continued)*

Description	For use with	Colour	Sold in lots of	Unit reference	Weight kg
Black plastic square blanking plug (with fixing nut) *(1)*	Ø 22 mm control and signalling units	Chromium plated	10	**ZB5 SZ5**	0.009
		Black	10	**ZB5 SZ37**	0.009
Black plastic circular blanking plug (with fixing nut)	Ø 22 mm control and signalling units		10	**ZB5 SZ3**	0.009
Liquid spray protective washer to be fitted in the head	Ø 22 mm control and signalling units	Chromium plated	50	**ZB4 BZ007**	0.010
		Black	50	**ZB4 BZ0077**	0.010



Description	Application	Sold in lots of	Unit reference	Weight kg
Cable ducting support	Fixing beneath head	10	**AF1 XA1**	0.030
M5 x 10 screw, with hexagonal slotted head	For fixing cable ducting	100	**AF1 VB510**	0.003
Support	For XB5 A pushbuttons, switches and pilot lights	1	**DX1 AP52**	0.160

*(1) Body/fixing collar **ZB5 AZ009** required for mounting must be ordered separately, see page 123.*

Control and signalling units Ø 22

Harmony® XB5 plastic

Accessories for illuminated pushbuttons: bulbs

DL1 CJ0●●●

DL1 CE●●●

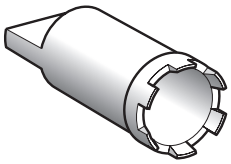
DL1 CF●●●

XBF X13

ZBZ 8

ZBZ AZ31

814640



ZB5 AZ905

814645

ZB5 AZ902

Bulbs with BA 9s base fitting and associated accessories					
Description	**Characteristics**	**Colour**	**Sold in lots of**	**Unit reference**	**Weight kg**
LEDs	≂ 24 V	White	1	**DL1 CJ0241**	0.002
		Green	1	**DL1 CJ0243**	0.002
		Red	1	**DL1 CJ0244**	0.002
		Orange	1	**DL1 CJ0245**	0.002
		Blue	1	**DL1 CJ0246**	0.002
	≂ 48 V	Green	1	**DL1 CJ0483**	0.002
		Red	1	**DL1 CJ0484**	0.002
		Orange	1	**DL1 CJ0485**	0.002
	6 V - 1.2 W	White	1	**DL1 CD0061**	0.002
		Green	1	**DL1 CD0063**	0.002
		Red	1	**DL1 CD0064**	0.002
		Orange	1	**DL1 CD0065**	0.002
		Blue	1	**DL1 CD0066**	0.002
Incandescent bulbs	6 V - 1.2 W	–	10	**DL1 CB006**	0.002
	24 V - 2 W	–	10	**DL1 CE024**	0.002
	120…130 V 2.4 W	–	10	**DL1 CE130**	0.002
Neon bulbs	120…130 V	–	10	**DL1 CF110**	0.002
	230…240 V	–	10	**DL1 CF220**	0.002
Bulb extractor	–	–	1	**XBF X13**	0.005
Lens cap tightening tool	Illuminated pushbuttons, with flush push	–	1	**ZBZ 8**	0.009

Description	**Application**	**Sold in lots of**	**Unit reference**	**Weight kg**
Add-on square trim	Gives a square appearance to ZB5 A circular heads	10	**ZB5 AZ31**	0.002
Nut	Head fixing	10	**ZB5 AZ901**	0.002
Bezel tool	Tightening head fixing nut ZB5 AZ901	1	**ZB5 AZ905**	0.016
Anti-rotation plate	Prevents rotation of the head	10	**ZB5 AZ902**	0.008

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Control and signalling units Ø 22

Harmony® XB5 plastic

Accessories for pushbuttons: keys

Replacement keys

Description	Key number	Reference	Weight kg
For latching mushroom head pushbuttons and selector switches			
Sets of 2 keys	455	**ZBG 455**	0.013
	421E	**ZBG 421E**	0.014
	458A	**ZBG 458A**	0.014
	520E	**ZBG 520E**	0.014
	3131A	**ZBG 3131A**	0.014
	4A185	**ZBD A185**	0.014
	LU1	**ZBD LU1**	0.014
	LU2	**ZBD LU2**	0.014
	LU3	**ZBD LU3**	0.014
	LU4	**ZBD LU4**	0.014
	LU5	**ZBD LU5**	0.014
	LU6	**ZBD LU6**	0.014
	LU7	**ZBD LU7**	0.014
	LU8	**ZBD LU8**	0.014
	LU9	**ZBD LU9**	0.014
	LU10	**ZBD LU10**	0.014
	LU11	**ZBD LU11**	0.014
	LU12	**ZBD LU12**	0.014
	LU13	**ZBD LU13**	0.014
	LU14	**ZBD LU14**	0.014
	8D1	**ZBD 8D1**	0.014
For booted selector switches			
Sets of 2 keys, one of which supplied booted (rubber boot)	455	**ZBG 455P**	–
	421E	**ZBG 421EP**	–
	458A	**ZBG 458AP**	–
	520E	**ZBG 520EP**	–
	3131A	**ZBG 3131AP**	–

ZBG 455P

Accessory for key switches *(1)*

Description	Function	Reference	Weight kg
Keyhole cover (rubber boot)	Protection of lock barrel when no key inserted in lock	**ZBG P**	0.005

(1) Not compatible with products with key TEC10.

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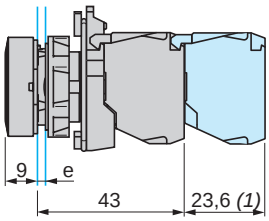
Control and signalling units Ø 22

Harmony® XB5 plastic

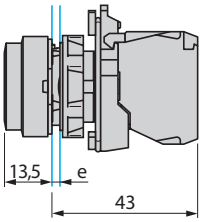
Pushbuttons, switches and pilot lights: complete units, XB5 A

Pushbuttons, spring return

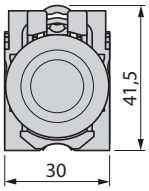
XB5 AA●●



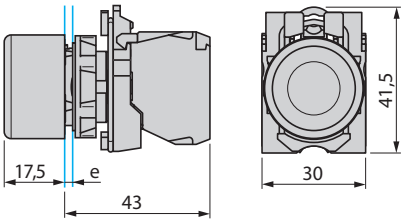
XB5 AL●●



Common face view



XB5 AP●●



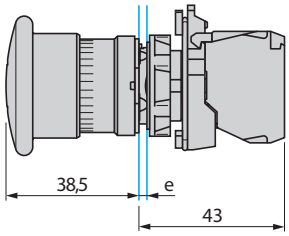
e: clamping thickness: 1 to 6 mm

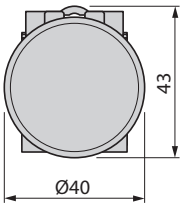
(1) Additional row of contacts or double contact.

e: clamping thickness: 1 to 6 mm

Mushroom head pushbuttons, spring return

XB5 AC21

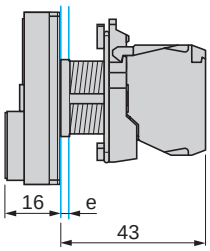




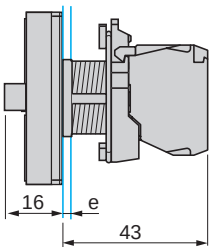
e: clamping thickness: 1 to 6 mm

Multiple-headed pushbuttons (double or triple), spring return

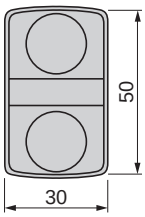
XB5 AL73415, XB5 AW73731●5



XB5 AA731327, XB5 AA711237



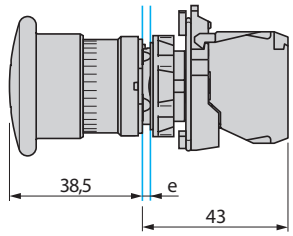
Common face view



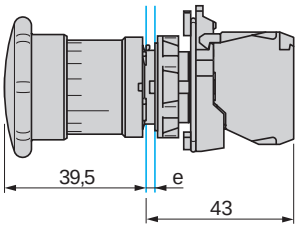
e: clamping thickness: 1 to 6 mm

Emergency stop mushroom head pushbuttons, trigger action and mechanical latching

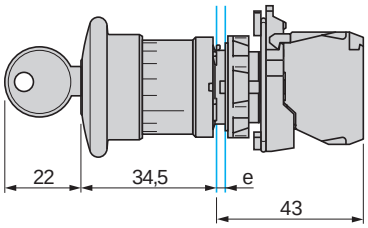
XB5 AT845



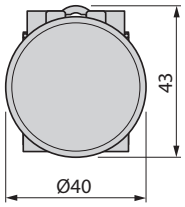
XB5 AS8445



XB5 AS9445



Common face view

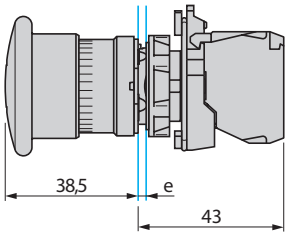


e: clamping thickness: 1 to 6 mm

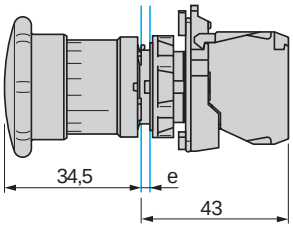
e: clamping thickness: 1 to 6 mm

Emergency switching off mushroom head pushbuttons, mechanical latching

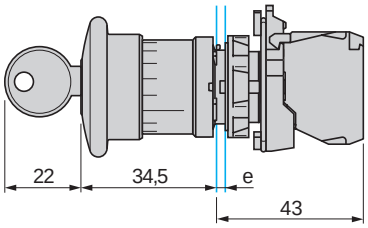
XB5 AT42



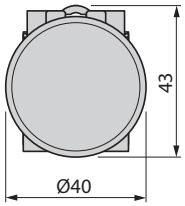
XB5 AS542



XB5 AS142



Common face view



e: clamping thickness: 1 to 6 mm

e: clamping thickness: 1 to 6 mm

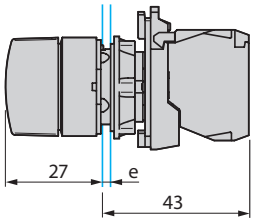
General: page 80
Characteristics: page 88
References: page 94

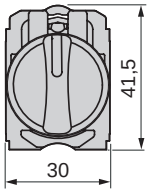
Schneider Electric

Selector switches

Standard handle operator

XB5 AD●●

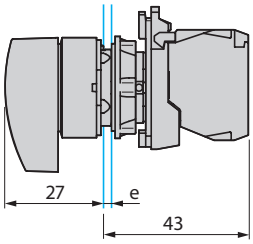


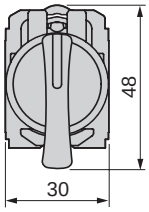


e: clamping thickness: 1 to 6 mm

Long handle operator

XB5 AJ●●

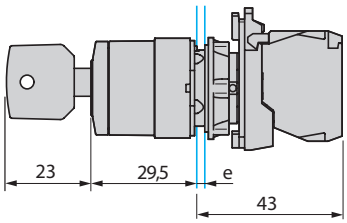


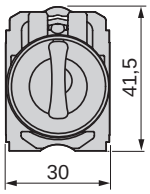


e: clamping thickness: 1 to 6 mm

Key switches

XB5 AG●●





e: clamping thickness: 1 to 6 mm

Control and signalling units Ø 22

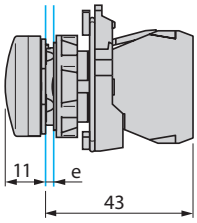
Harmony® XB5 plastic

Pushbuttons, switches and pilot lights: complete units, XB5 A

Pilot lights

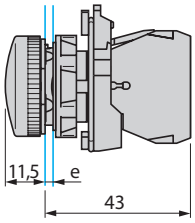
Integral LED

XB5 AVB●, AVG●, AVM●



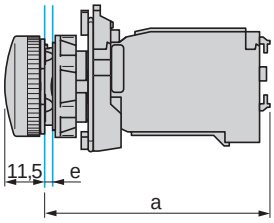
Direct supply

XB5 AV6●

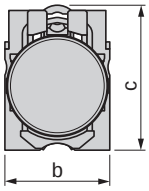


Via integral transformer

XB5 AV3●, AV4●



Common face view



	a	b	c
XB5 AV●●	43	30	41.5
XB5 AV5B●	89,6	40	45

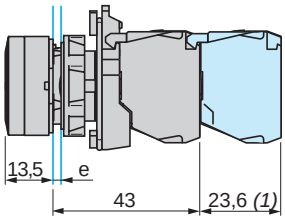
e: clamping thickness: 1 to 6 mm

e: clamping thickness: 1 to 6 mm

Illuminated pushbuttons

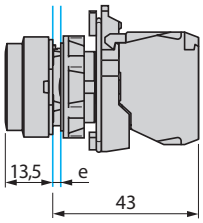
Integral LED

XB5 AW3●●5



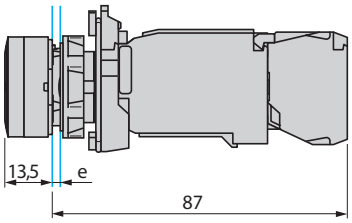
Direct supply

XB5 AW3●65

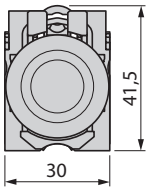


Via integral transformer

XB5 AW3●●5



Common face view



e: clamping thickness: 1 to 6 mm

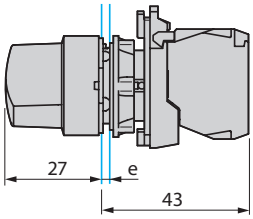
(1) Additional row of contacts or double contact.

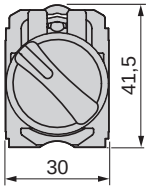
e: clamping thickness: 1 to 6 mm

Illuminated selector switches

Integral LED

XB5 AK12●●5

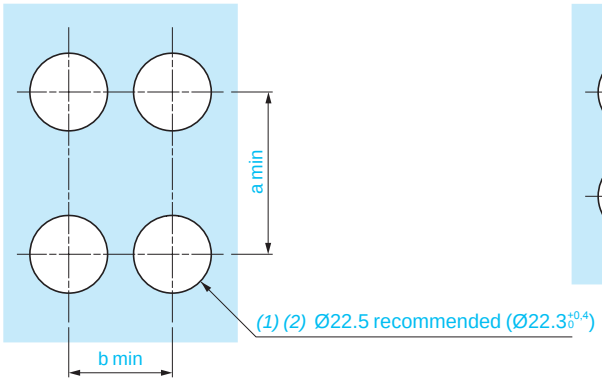


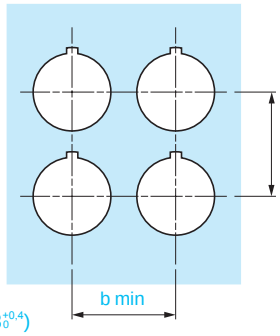


e: clamping thickness: 1 to 6 mm

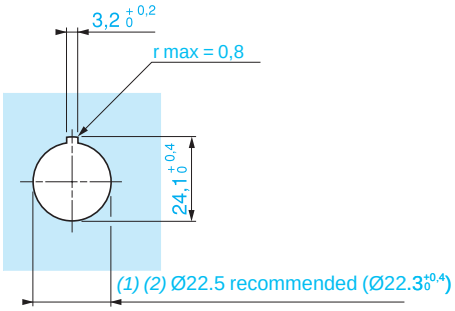
Panel cut-out for pushbuttons, switches and pilot lights (finished holes, ready for installation)

Connection by screw clamp terminals or plug-in connectors or on printed circuit board





Detail of lug recess



(1) Diameter on finished panel or support.

(2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5 AZ902 is recommended, see page 144.

Connections	a	b
By screw clamp terminals or plug-in connector	40	30
By Faston connectors	45	32
On printed circuit board	30	30

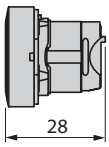
Control and signalling units Ø 22

Harmony® XB5 plastic

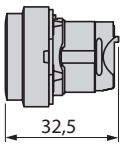
Pushbuttons, switches and pilot lights: sub-assemblies, ZB5 A

Heads for spring return pushbuttons

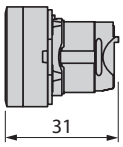
ZB5 AA●, AA●●●, ZB5 AA●8



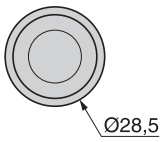
ZB5 AL●, ZB5 AL●●●



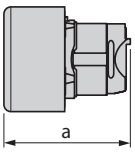
ZB5 AA●4, ZB5 AA●6

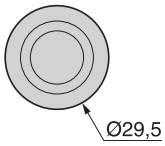


Common face view

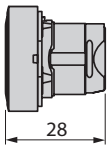


ZB5 AP●●, ZB5 AP●S, ZB5 AP●83, ZB5 AP●

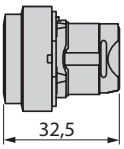




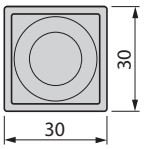
ZB5 CA●, ZB5 CA0



ZB5 CL●



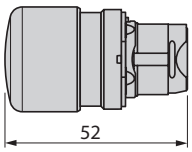
Vue de face commune

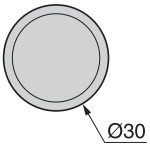


ZB5	a
AP●●	36.5
AP●S	33
AP●83	32
AP●	35

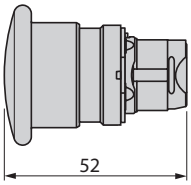
Mushroom heads for spring return pushbuttons

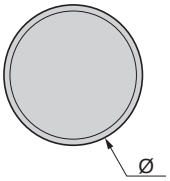
ZB5 AC●4





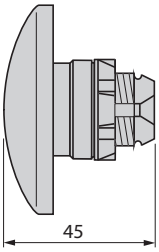
ZB5 AC●, AR●

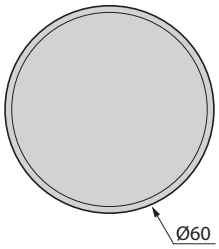




ZB5	Ø
AC●	40
AR●	60

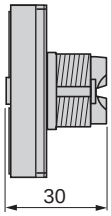
ZB5 AR●16



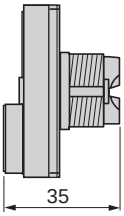


Heads for double-headed, spring return pushbuttons

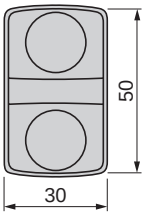
ZB5 AA712●, ZB5 AA734●, ZB5 AA79



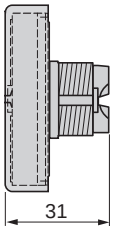
ZB5 AL734●



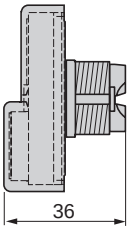
Common face view



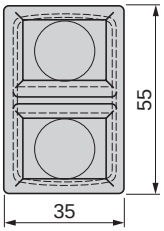
ZB5 AA712● , ZB5 AA734●, ZB5 AA79, + boot ZBA 708



ZB5 AL734● + boot ZBA 710

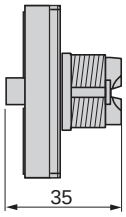


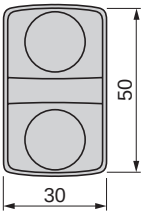
Common face view



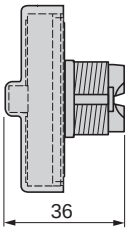
Heads for triple-headed, spring return pushbuttons

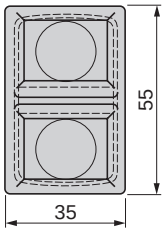
ZB5 AA7313●, ZB5 AA711●●, ZB5 AA72124, ZB5 AA791





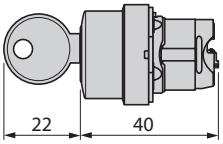
ZB5 AA7313●, ZB5 AA711●●, ZB5 AA72124, ZB5 AA791 + boot ZBA 709

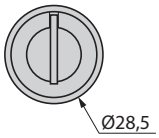




Heads for lockable, Push-turn pushbuttons

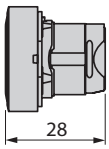
ZB5 AFD



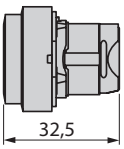


Heads for Push-push to release pushbuttons

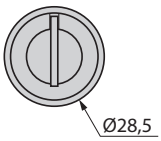
ZB5 AH0●



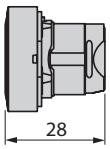
ZB5 AH●

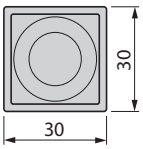


Common face view



ZB5 CH0●





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Control and signalling units Ø 22

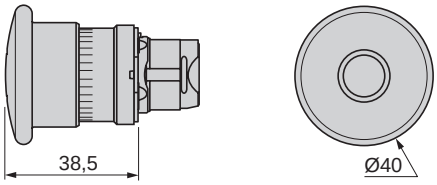
Harmony® XB5 plastic

Pushbuttons, switches and pilot lights: sub-assemblies, ZB5 A

Mushroom heads for Emergency stop, trigger action and mechanical latching pushbuttons

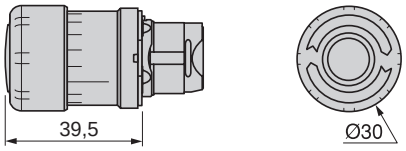
Push-pull

ZB5 AT84

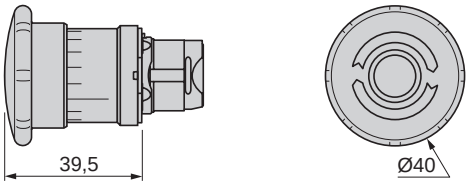


Turn to release

ZB5 AS834

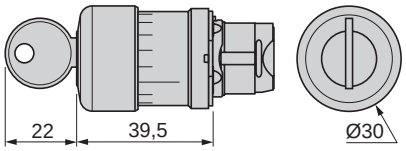


ZB5 AS844

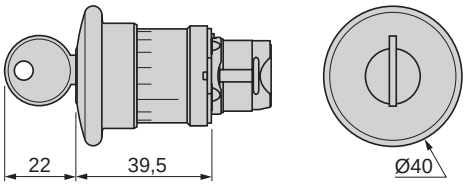


Key release

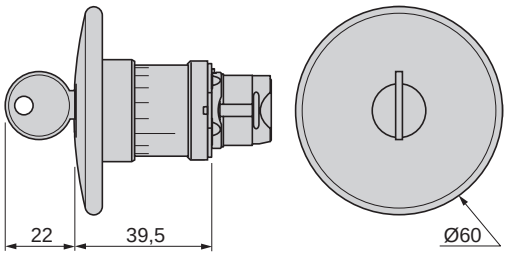
ZB5 AS934



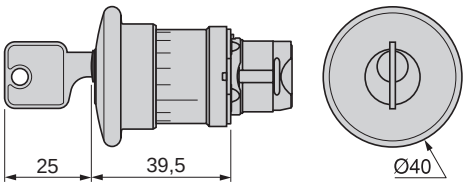
ZB5 AS944



ZB5 AS964



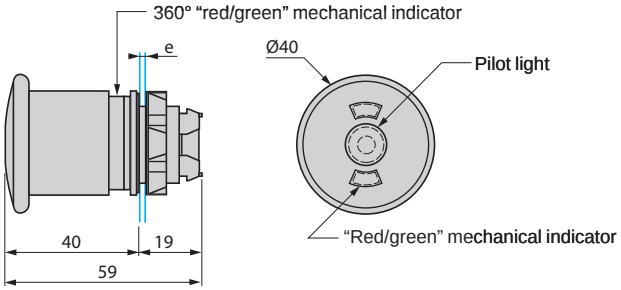
ZB5 AS944D



Illuminated mushroom heads for Emergency stop, trigger action and mechanical latching pushbuttons

Push-pull with pilot light and mechanical state indicator

ZB5 AT8643M



e: panel thickness 1 to 6 mm

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Control and signalling units Ø 22

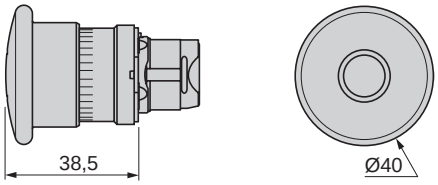
Harmony® XB5 plastic

Pushbuttons, switches and pilot lights: sub-assemblies, ZB5 A

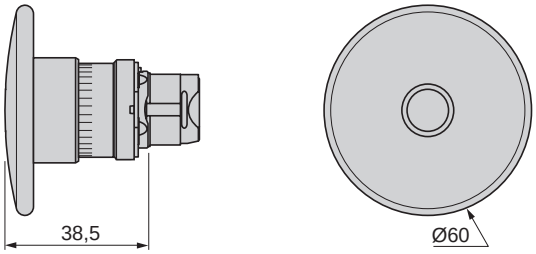
Mushroom heads for Emergency switching off, mechanical latching pushbuttons

Push-pull

ZB5 AT4

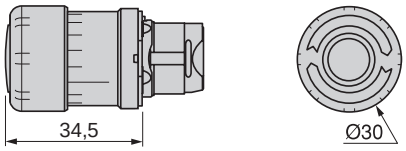


ZB5 AX4

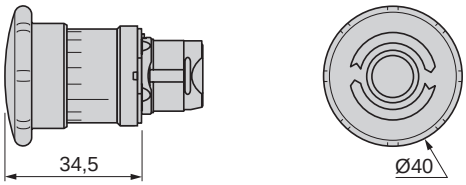


Turn to release

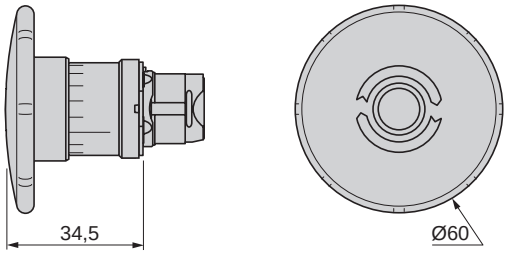
ZB5 AS44



ZB5 AS54

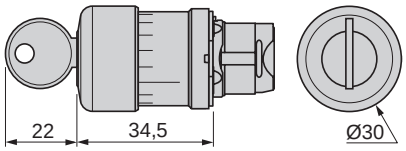


ZB5 AS64

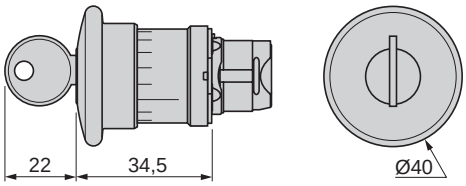


Key release

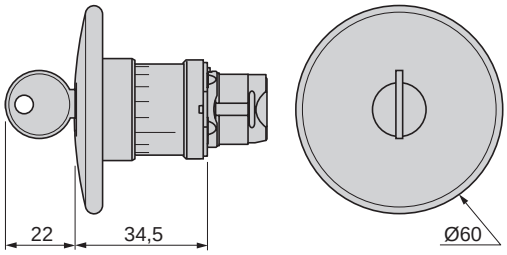
ZB5 AS74



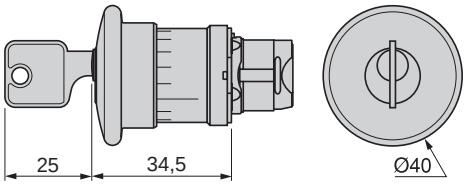
ZB5 AS14



ZB5 AS24



ZB5 AS14D



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Control and signalling units Ø 22

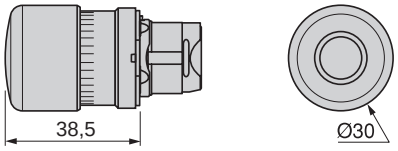
Harmony® XB5 plastic

Pushbuttons, switches and pilot lights: sub-assemblies, ZB5 A

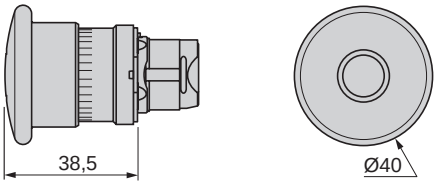
Mushroom heads for latching pushbuttons *(1)*

Push-pull

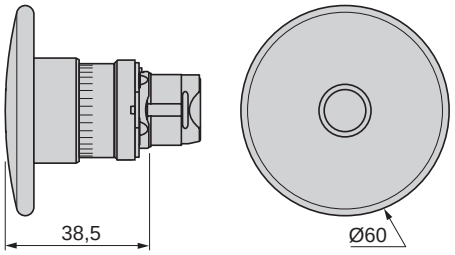
ZB5 AT24



ZB5 AT2

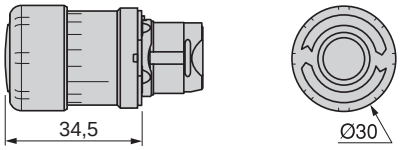


ZB5 AX2

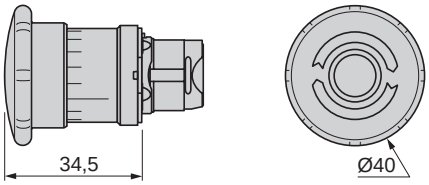


Turn to release

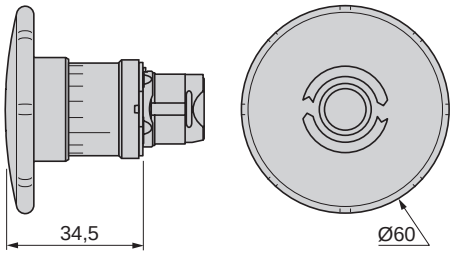
ZB5 AS42



ZB5 AS52, ZB5 AS55

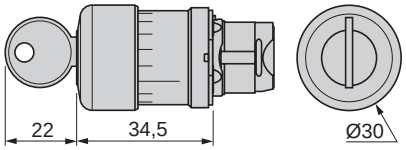


ZB5 AS62

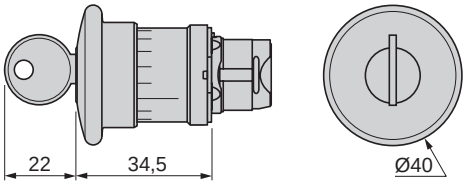


Key release

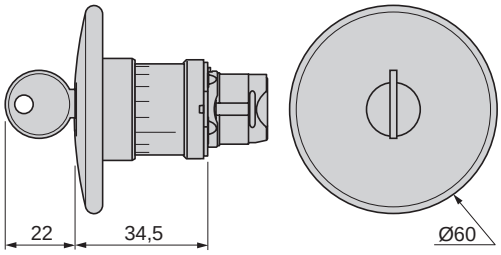
ZB5 AS72



ZB5 AS12



ZB5 AS22

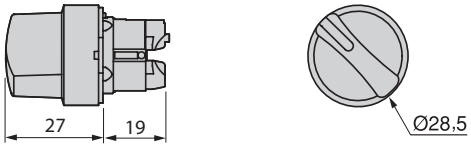


(1) Red mushroom heads for Emergency stop and Emergency switching off, latching pushbuttons: see pages 150 and 151.

Heads for selector switches

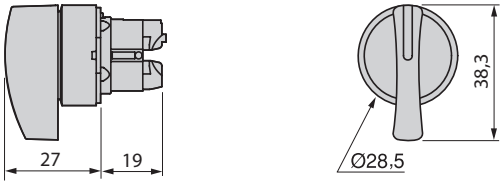
Standard handle operator

ZB5 AD●, ZB5 AD●M



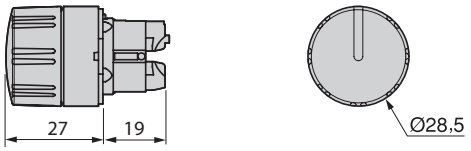
Long handle operator

ZB5 AJ●, ZB5 AJ●M



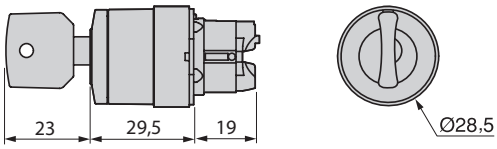
Black knurled knob

ZB5 AD●9



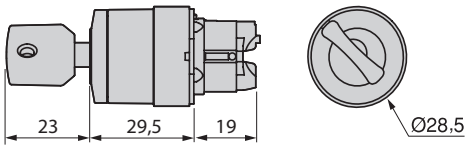
Key switch (Ronis n° 455)

ZB5 AG●, ZB5 AG0●, ZB5 AG●M



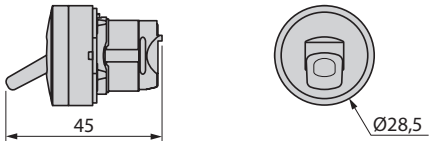
Key switch (DOM n° 8D1)

ZB5 AGD



Heads for toggle switches

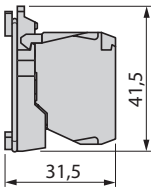
ZB5 AD●8



Bodies for pushbuttons and switches

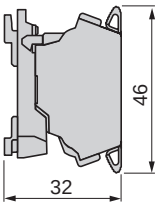
Screw clamp terminal connections

ZB5 AZ10●, ZB5 AZ141



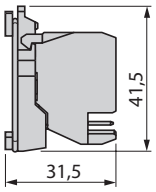
Spring terminal connections

ZB5 AZ10●5



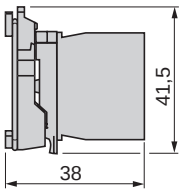
Plug-in connector

ZB5 AZ10●4, ZB5 AZ1414



High power switching with screw clamp terminal connections

ZBE 50● block + ZB5 AZ009 body



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Heads for pilot lights, with light source

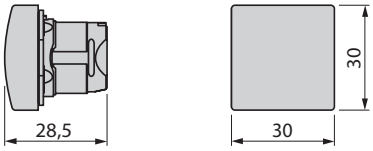
Integral LED

ZB5 AV0●3

Incandescent, neon or LED

ZB5 AV0●, AV0●S

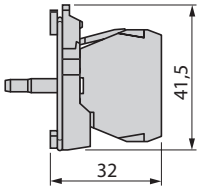
ZB5 CV0●3, CH3●3



Bodies for pilot lights, screw clamp terminal connections

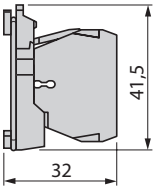
Integral LED

ZB5 AV●●



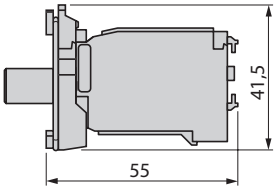
Direct supply, for BA 9s bulb

ZB5 AV6



With integral transformer, for BA9s bulb

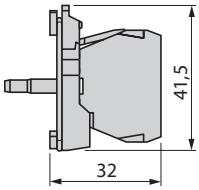
ZB5 AV●, AV●D●



Bodies for pilot lights, plug-in connector

Integral LED

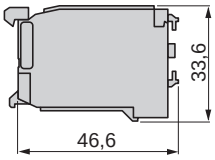
ZB5 AV●●4



Transformer blocks

For 24 V light blocks with integral LED

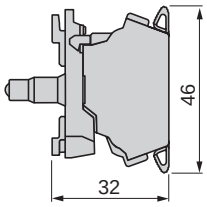
ZBV 5B, ZBV 8B, ZBV 9B



Light blocks + body for pilot lights, spring terminal connections

Integral LED

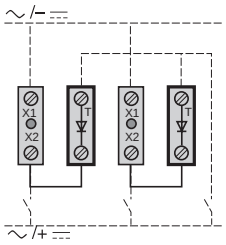
ZBV ●●5 light block + ZB5 AZ009 body



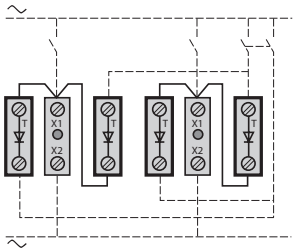
Blocks for "test light" function

Connections

ZBZ G156



ZBZ M156



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Control and signalling units Ø 22

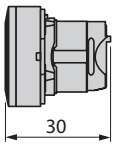
Harmony® XB5 plastic

Pushbuttons, switches and pilot lights: sub-assemblies, ZB5 A

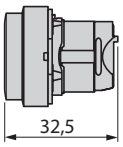
Heads for spring return illuminated pushbuttons, for light source types:

LED

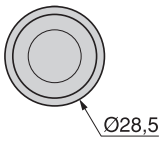
ZB5 AW3●3, AW3●3S, ZB5 AA●8



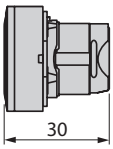
ZB5 AW1●3, ZB5 AW1●3S, ZB5 AL●8

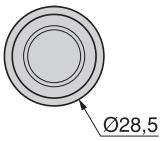


Common face view

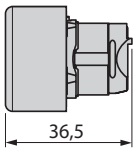


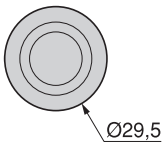
ZB5 AW9●3



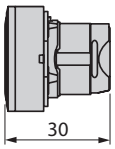


ZB5 AW5●3

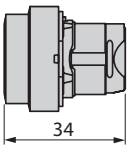




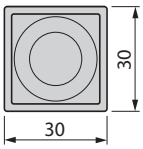
ZB5 CW3●3



ZB5 CW1●3

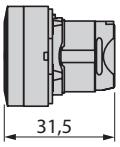


Common face view

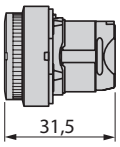


Bulb with BA9s base fitting

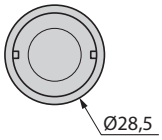
ZB5 AW3●, AW3●S



ZB5 AW1●, ZB5 AW1●S

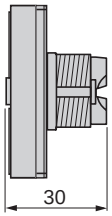


Common face view

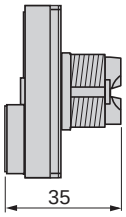


Heads for double-headed pushbuttons + pilot light

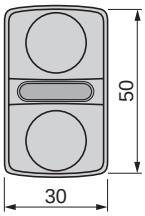
ZB5 AW7A374●, ZB5 AW7A17●●, ZB5 AW7A9



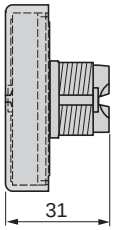
ZB5 AW7L374●



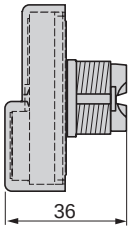
Common face view



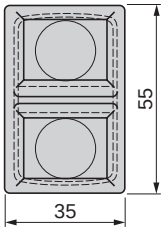
ZB5 AW7A374●, ZB5 AW7A17●●, ZB5 AW7A9 + boot ZBA 708



ZB5 AW7L374● + boot ZBA 710

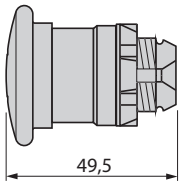


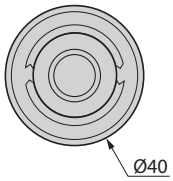
Common face view



Heads for illuminated, latching, mushroom head pushbuttons

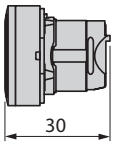
ZB5 AW7●3



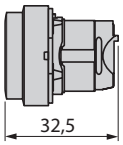


Heads for illuminated, "push-push to release" pushbuttons

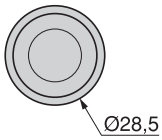
ZB5 AH0●3



ZB5 AH●3

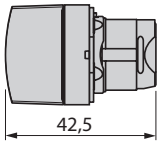


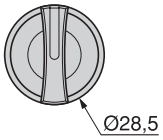
Common face view



Heads for illuminated selector switches with standard handle

ZB5 AK1●●●3





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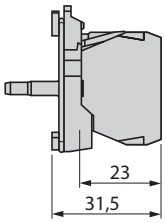
Bodies for illuminated pushbuttons and selector switches, screw clamp terminal connections

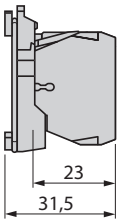
Integral LED

ZB5 AW0●●●



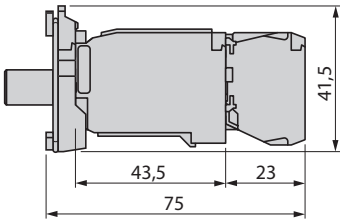
Direct supply for BA9s bulb

ZB5 AW06●



With integral transformer for BA9s bulb

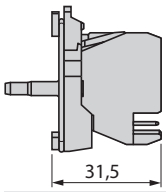
ZB5 AW0●●, ZB5 AW0●D●●



Bodies for illuminated pushbuttons and selector switches, plug-in connector

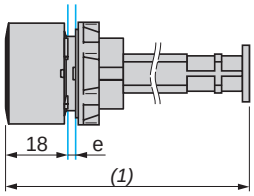
Integral LED

ZB5 AW0●●●4



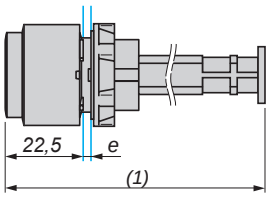
Manual overload reset buttons

XB5 A8●●●



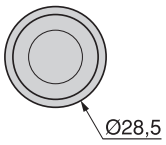
e: panel thickness 1 to 6 mm

XB5 AL8●●●



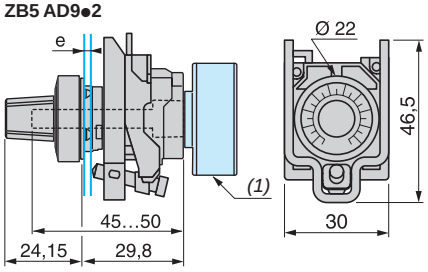
(1) Value not yet communicated

Common face view



Head + mounting base for potentiometer

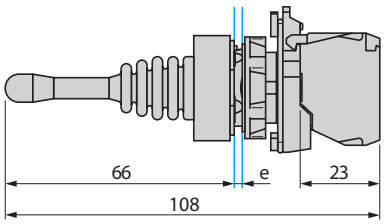
ZB5 AD9●2



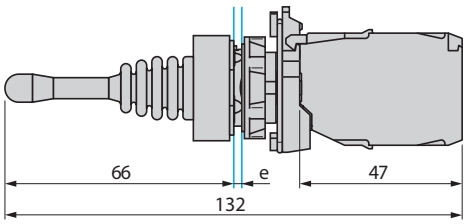
(1) Potentiometer not included.

Joystick controllers

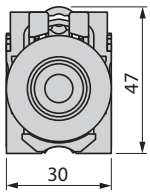
XD5 PA●2



XD5 PA●4



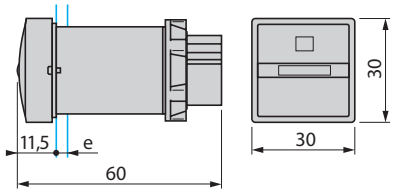
Common face view



e: panel thickness 1 to 6 mm

Hour counters

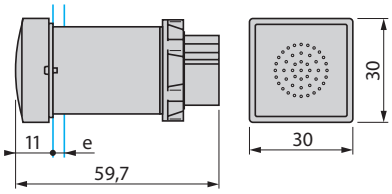
XB5 DS●



e: panel thickness 1 to 6 mm

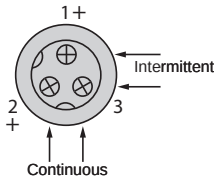
Annunciators

XB5 KS●



Cabling

XB5 KS●



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Control and signalling units Ø 22

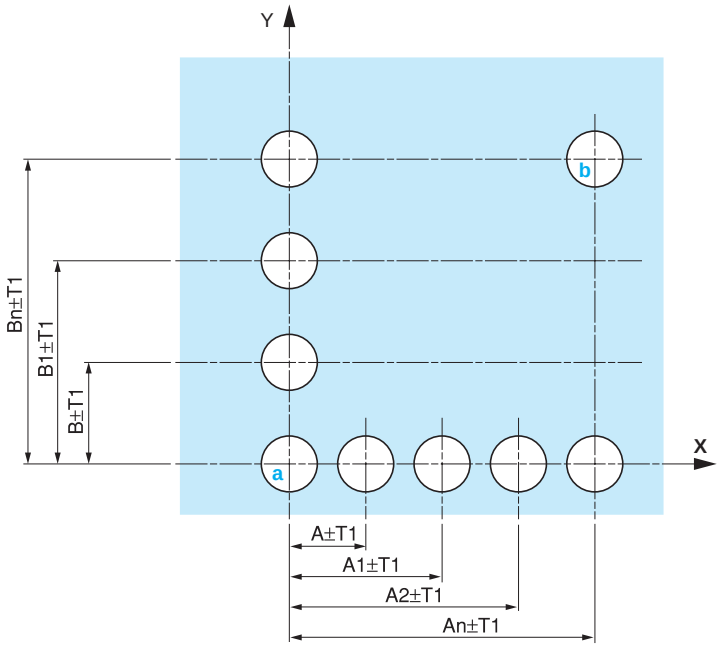
Harmony® XB5 plastic

Pushbuttons, switches and pilot lights
for printed circuit board connection

Pushbuttons, switches and pilot lights for printed circuit board connection

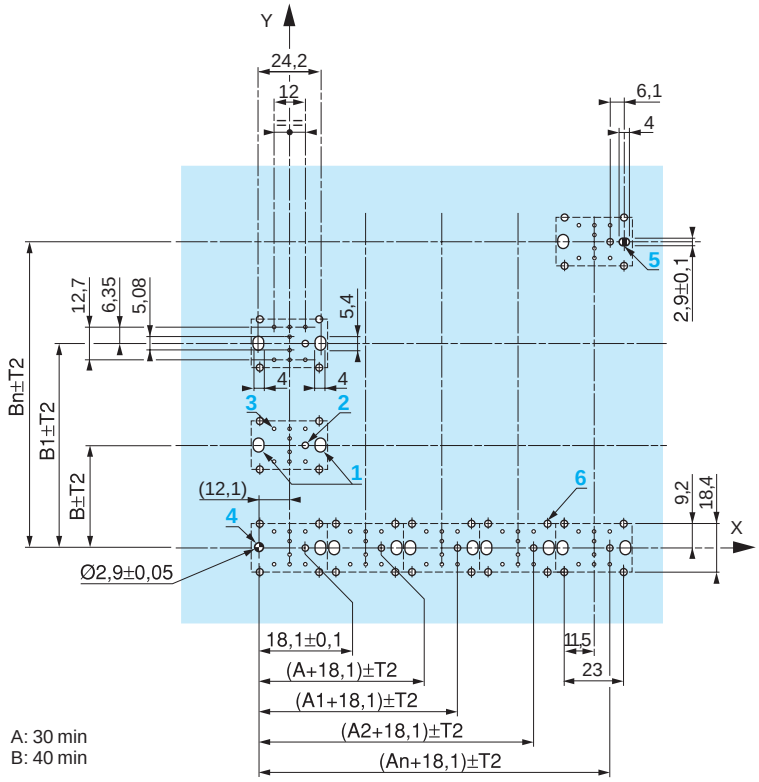
Panel cut-outs (viewed from installer's side)

Dimensions in mm



Printed circuit board cut-outs (viewed from electrical block side)

Dimensions in mm

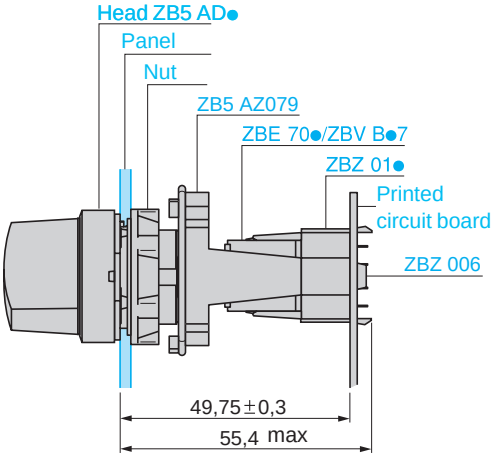


General tolerances of the panel and printed circuit board

The cumulative tolerance must not exceed 0.3 mm: T1 + T2 = 0.3 mm max.

■ Installation precautions:
□ Minimum thickness of circuit board: 1.6 mm.
□ Cut-out diameter: 22.4 mm ± 0.1 mm.
□ Orientation of body/fixing collar ZB5 BZ079: ± 2° 30' (excluding cut-outs marked **a** and **b**).
□ Tightening torque of screws ZBZ 006: 0.6 N.m. max.
□ Allow for one ZB5 BZ079 fixing collar/pillar and its fixing screws:
- every 90 mm horizontally (X), and 120 mm vertically (Y),
- with each selector switch head (ZB5 AD●, ZB5 AJ●, ZB5 AG●).

The fixing centres marked **a** and **b** are diagonally opposed and must align with those marked **4** and **5**.



■ Mounting of adapter (socket) ZBZ 01●:

1 2 elongated holes for ZBZ 006 screw access.

2 1 hole Ø 2.4 mm ± 0.05 for centring adapter ZBZ 01●.

3 8 x Ø 1.2 mm holes.

4 1 hole Ø 2.9 mm ± 0.05, for aligning the printed circuit board (with cut-out marked **a**).

5 1 elongated hole for aligning the printed circuit board (with cut-out marked **b**).

6 4 holes Ø 2.4 mm for clipping in adapter ZBZ 01●.

Dimensions An + 18.1 relate to the Ø 2.4 mm ± 0.05 holes for centring adapter ZBZ 01●.