

Overview

SIGNUM is a range of plastic and metal control devices for frontplate mounting and rear wire connection.

SIGNUM is of modern industrial design with a very flat construction and can be installed rapidly by a single person.

In addition, SIGNUM Metallic is designed for the world market with a high degree of protection according to IP 67 and NEMA 4.

Specifications

IEC 60 947-1, EN 60 947-1 (DIN VDE 0660 Part 100), IEC 60 947-5-1, EN 60 947-5-1 (DIN VDE 0660 Part 200)

Design

The plastic versions of the SIGNUM devices are

- available in flush, round and square designs, while
- the metal versions are available in the round design.

A combination of membrane keyboards and 3SB3 plastic elements supports the flat appearance. The flat construction makes cleaning easy.

The operating surfaces of the pushbuttons and indicator lights are concave. The lenses of the indicator lights are convex.

Inscription

Inscriptions are possible by inscribing directly onto the actuator by means of a laser as well as by using labels, backing plates or the inscription system for SIGNUM.

Design

A command point consists of a front-mounted operating element or lens, a holder for mounting, contact block and/or lamp holder, behind the switch panel.

The holder for the round version can be turned and can therefore be used for switch panel depths of 1 to 4 mm or 3 to 6 mm.

The switch panel depth of 1 to 4 mm can be compensated with the holder for the square version.

The normal version can be fitted with two contact blocks.

When three contact blocks or one lampholder and two contact blocks are required, an additional holder must be plugged into the operating element. A holder with pressure pieces is required for operating a middle contact block including selector switches, safety locks or double pushbuttons.

Complete units are offered for the most commonly used applications.

Holder

The holder is positioned when delivered, at a switchboard thickness of 1 to 4 mm and is placed in the direction of the arrow on the actuator/indicator, ▲ 1–4 mm ▲ from the back. The fixing screw is located underneath, on the right.

For a switchboard thickness of 3 to 6 mm, the holder is reversed and mounted in the direction of the arrow at ▲ 3–6 mm ▲ and the fixing screw is located on the upper right. In this case, the fixing screw must be rotated anticlockwise to its limit before mounting the holder.

When legend holders, protective boots or similar accessories are used, the maximum permissible panel thickness must be reduced by wall thickness of the accessory.

Contact blocks and lampholders

The contact blocks are fitted with a slow-action contact (1 NO contact or 1 NC contact) with double operating contacts. These ensure a high switching reliability even with small voltages and currents of 5 V/1 mA and above. They are suitable for use in electronic systems as well as conventional controls.

The switch contacts of the NC contact are positively driven.

A lampholder for lamps with BA 9s (screw connection) and W2 × 4.6 d (solder connection) are available for the illuminated pushbutton units and indicator lights in addition to the contact blocks.

Contact blocks and lamp holders have terminal designations in accordance with EN 50 013.

Mounting

SIGNUM devices are easily and rapidly connected:

- Actuators or indicator lights are positioned in the opening of the front panel from the front
- Position the holder from the rear
- Tighten the screw on the holder
- Snap on the contact block or the lamp holder directly onto the operating mechanism from the back

Terminals

Devices for

- Screw terminal connection,
- Cage clamp terminal connection and
- Solder connection (solder pins 0.8 × 0.8 mm) are available.

The 3SB3 command devices have screw connections in the SIGUT termination system. The open terminals, captive screws, funnel-shaped wiring openings and screwdriver fed openings save time when connecting. Powered screwdrivers can be used.

The connection with cage spring terminal is rapid and the actuators can be mounted flush against each other.

Enclosure

Plastic housings for 1, 2, 3, 4 or 6 actuators are available for the round model. Housings for more than 6 actuators can be supplied upon request. They are suitable for the round and square models.

Communications-capable SIGNUM 3SB3 control devices

SIGNUM 3SB3 control devices can be connected to the actuator-sensor interface (AS interface) networking system by means of the AS-Interface 4I/4O application module for mounting on printed circuit boards. With this, four mechanical connecting devices can be scanned or four indicator lights can be controlled.

The illuminated command devices are supplied via the AS interface cable.

Pushbutton unit, plastic, with flat button

nsd0037h



Pushbutton unit, metal, with flat button

nsd0367h



The following connections to the AS interface are possible:

- AS-i user module for printed circuit boards
- AS-i single connection
- AS-i front plate module
- AS-i housing

For further information on the AS interface refer to Part 1.

SIGNUM is also communications-capable via PROFIBUS-DP.

Configuring

SIGNUM 3SB3 configuring software

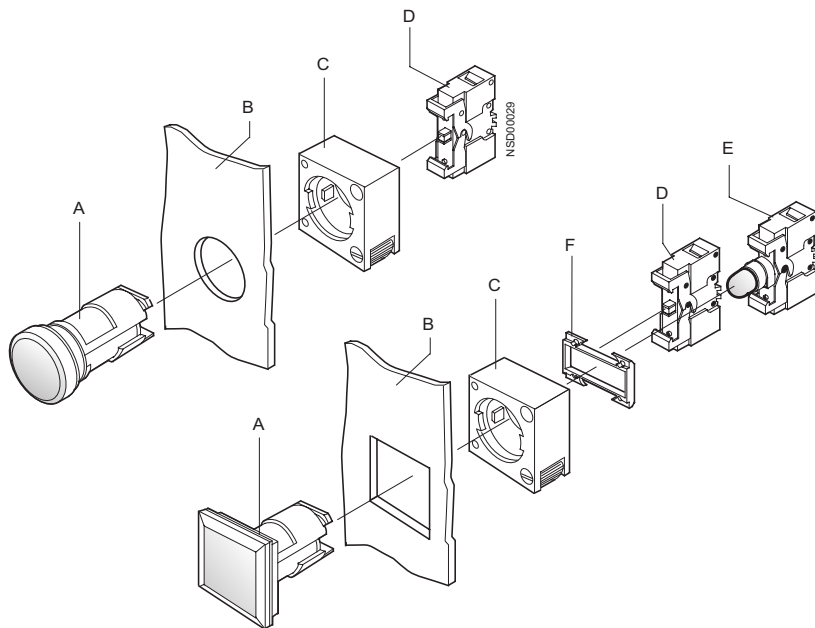
The SIGNUM 3SB3 control devices can be selected and ordered using this software:

- Supply and ordering of customer-specific enclosures,
- Construction tool for designing control panels with SIGNUM 3SB3 command devices,
- Easy selection of the most varied choice of inscriptions,
- Generation of parts lists, component mounting diagrams and drill templates,
- Generation of the completed order.

SIGNUM 3SB3

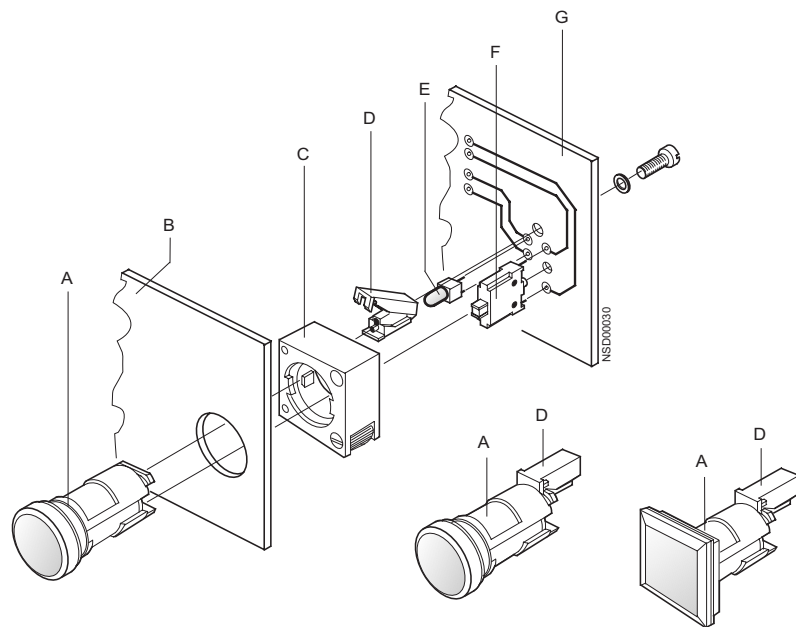
Introduction

Design



Front plate mounting

- A Actuator
B Front plate
C Holder
D Contact block
E Lampholder
F Mounting element



Used on printed-circuit-boards

- A Actuator
- B Front plate
- C Holder
- D Holder for printed-circuit-board
- E Lampholder
- F Contact block
- G PCB

Contact assignment

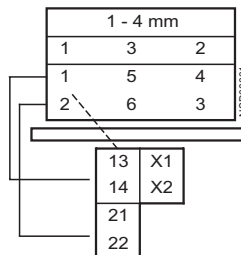
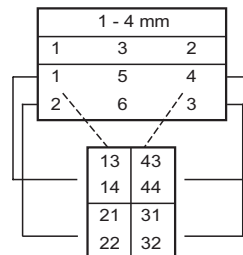
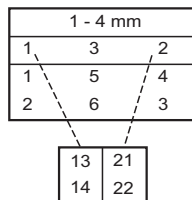
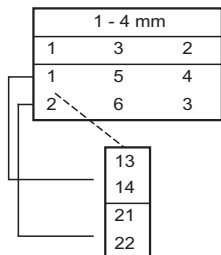
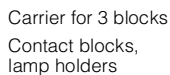
For one contact block
with 2 contacts,
e. g. 1 NO + 1 NC

For 2 contact blocks
each with 1 contact,
e. g. 1 NO, 1 NC

For 2 contact blocks
each with 2 contacts,
e. g. 1 NO + 1 NC,
1 NO + 1 NC

For one contact block
with 2 contacts,
e. g. 1 NO + 1 NC
and a lampholder

Holder	Fixing depth
	Depth for contact blocks with 1 contact
	Depth for contact blocks with 2 contacts



Technical data according to IEC 60 947-5-1 (DIN VDE 0660 Part 200) and EN 418

Rated insulation voltage U_i • Screw connection • Soldered connection		400 V 250 V			
Pollution degree		Class 3 (according to DIN VDE 0110)			
Conventional free-air thermal current I_{th}		10 A			
Rated operational voltage U_e and the related rated operational current I_e		AC 50 to 60 Hz			DC
		I_e /AC-12	I_e /AC-15	Solder pins A	I_e /DC-12
		Screw/solder connection	Screw terminals		Screw/solder connection
		A	A		A
		at 24 V	10		10
		48 V	10		5
		110 V	10	4	2.5
		230 V	10	4	1
		400 V	10	3	–
Ⓢ and Ⓜ data Rated voltage • Contact block • Indicator light Conventional free-air thermal current Switching capacity		AC 300 V 125 V AC; 2.5 W for BA 9s, or 60 V AC; 1 W for wedge base W2 × 4.6 d 10 A A 300; R 300; A 600 same polarity			
Contact stability Test voltage/test current		5 V/1 mA			
Short-circuit protection (without any welding according to DIN VDE 0660, Part 200) • DIAZED fuse link, utilization category gL/gG • Miniature circuit-breaker with G characteristic acc. to DIN VDE 0641		10 A TDz, 16 A Dz 10 A			
Mechanical endurance • Pushbutton units and contact blocks • Actuators, rotary or maintained contact • Illuminated pushbutton units		10 × 10 ⁶ operating cycles 3 × 10 ⁵ operating cycles 3 × 10 ⁶ operating cycles			
Electrical endurance • with AC-15 duty with 3TF3, 3TF40 to 3TF43 contactors • with duty DC-12 or DC-13		10 × 10 ⁶ operating cycles The endurance life of the contacts is not only dependent on the breaking current but also on the voltage, the inductivity of the current circuit and the switching speed. General information data is not possible.			
Operating frequency		1000 operating cycles per hour			
Climatic withstand capability Ambient temperature		Climate-proof; suitable for use on board ship –25 to +70 °C for LEDs or non-illuminated devices –25 to +60 °C for illuminated device with filament bulbs			
Degree of protection acc. to IEC 60 529, DIN VDE 0470		IP 20 Contact block connections and lampholders behind the front panel IP 40 Switchrooms of the contact blocks behind the front panel IP 66 Enclosed plastic actuators and indicators; with IP 67 protective caps IP 67 NEMA type 4 metal actuators and indicators			
Lampholders Screw terminal connection Soldered connection		for lamps with BA 9s base; incandescent, glow and LED lamps for lamp with wedge base W2 × 4.6 d; glow and LED lamps			
Conductor cross-sections Screw terminal connection: • finely stranded with end sleeve • solid • solid with end sleeves to DIN 46 228 Soldered connection		2 × 0.5 to 1.5 mm ² 2 × 1 to 2.5 mm ² 2 × 0.5 to 0.75 mm ² Solder pins 0.8 mm × 0.8 mm			
Tightening torque of holder screw Tightening torque of terminal screws		max. 1 Nm 1 – 1.2 Nm			
Terminal marking Device identification		acc. to EN 50 013: Sequence number on the holder Function number on the contact block through snap-on label			
Safety measures for SIGNUM, plastic		Safety requirements are met automatically when the actuators and lens assemblies are mounted on metal front plates and housings. When mounted in insulated enclosures, the "protective insulation" safety requirements are met.			
Touch protection (screw connection)		Finger-proof acc. to VBG 4 and DIN VDE 0106			
Shock resistance according to IEC 60 068 Part 2-27 Shock duration Shock form		≤ 50 g Devices without incandescent lamp ≤ 30 g Devices with incandescent lamp 11 ms Half-sine			

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, ○ Round Programme, 22 mm

Complete units

Selection and ordering data



Pushbutton unit with flat button



Illuminated pushbutton unit with flat button

Version	Colour of actuator	Contacts for frontplate mounting	DT	Order No.	Price	PG	Weight approx. kg	Pack Unit
				Preferred type	1 unit			
Pushbutton unit with flat button	black	1 NO	▶	3SB3202-0AA11		102	0.04	1
	black	1 NC	B	3SB3203-0AA11		102		
	red	1 NC	▶	3SB3203-0AA21		102		
	yellow	1 NO	B	3SB3202-0AA31		102		
	green	1 NO	▶	3SB3202-0AA41		102		
	blue	1 NO	B	3SB3202-0AA51		102		
	white	1 NO	▶	3SB3202-0AA61		102		
	black	1 NO + 1 NC	B	3SB3201-0AA11		102	0.05	1
	red	1 NO + 1 NC	B	3SB3201-0AA21		102		
	yellow	1 NO + 1 NC	B	3SB3201-0AA31		102		
	green	1 NO + 1 NC	B	3SB3201-0AA41		102		
	blue	1 NO + 1 NC	B	3SB3201-0AA51		102		
	white	1 NO + 1 NC	B	3SB3201-0AA61		102		
Illuminated pushbutton with flat button with integrated LED UC 24 V	red ¹⁾	1 NC	▶	3SB3246-0AA21		102	0.04	1
	yellow ¹⁾	1 NO	B	3SB3245-0AA31		102		
	green ¹⁾	1 NO	▶	3SB3245-0AA41		102		
	blue ¹⁾	1 NO	B	3SB3245-0AA51		102		
	white	1 NO	B	3SB3245-0AA61		102		
	clear ¹⁾	1 NO	▶	3SB3245-0AA71		102		
	red ¹⁾	1 NO + 1 NC	B	3SB3247-0AA21		102	0.04	1
	yellow ¹⁾	1 NO + 1 NC	B	3SB3247-0AA31		102		
	green ¹⁾	1 NO + 1 NC	B	3SB3247-0AA41		102		
	blue ¹⁾	1 NO + 1 NC	B	3SB3247-0AA51		102		
	white	1 NO + 1 NC	B	3SB3247-0AA61		102		
	clear ¹⁾	1 NO + 1 NC	B	3SB3247-0AA71		102		1
	red ¹⁾	1 NC	B	3SB3250-0AA21		102	0.04	1
	yellow ¹⁾	1 NO	B	3SB3257-0AA31		102		
with integrated LED AC 110 V	green ¹⁾	1 NO	B	3SB3257-0AA41		102		
	blue ¹⁾	1 NO	B	3SB3257-0AA51		102		
	white	1 NO	B	3SB3257-0AA61		102		
	clear ¹⁾	1 NO	B	3SB3257-0AA71		102		
	red ¹⁾	1 NO + 1 NC	B	3SB3251-0AA21		102	0.047	1
	yellow ¹⁾	1 NO + 1 NC	B	3SB3251-0AA31		102		
	green ¹⁾	1 NO + 1 NC	B	3SB3251-0AA41		102		
	blue ¹⁾	1 NO + 1 NC	B	3SB3251-0AA51		102		
	white	1 NO + 1 NC	B	3SB3251-0AA61		102		
	clear ¹⁾	1 NO + 1 NC	B	3SB3251-0AA71		102		
	red ¹⁾	1 NC	▶	3SB3254-0AA21		102	0.04	1
	yellow ¹⁾	1 NO	B	3SB3253-0AA31		102		
	green ¹⁾	1 NO	▶	3SB3253-0AA41		102		
	blue ¹⁾	1 NO	B	3SB3253-0AA51		102		
with integrated LED AC 230 V	white	1 NO	B	3SB3253-0AA61		102		
	clear ¹⁾	1 NO	▶	3SB3253-0AA71		102		
	red ¹⁾	1 NO + 1 NC	B	3SB3255-0AA21		102	0.047	1
	yellow ¹⁾	1 NO + 1 NC	B	3SB3255-0AA31		102		
	green ¹⁾	1 NO + 1 NC	B	3SB3255-0AA41		102		
	blue ¹⁾	1 NO + 1 NC	B	3SB3255-0AA51		102		
	white	1 NO + 1 NC	B	3SB3255-0AA61		102		
	clear ¹⁾	1 NO + 1 NC	B	3SB3255-0AA71		102		
	red ¹⁾	1 NC	B	3SB3207-0AA21		102	0.05	1
	yellow ¹⁾	1 NO	B	3SB3206-0AA31		102		
	green ¹⁾	1 NO	B	3SB3206-0AA41		102		
	blue ¹⁾	1 NO	B	3SB3206-0AA51		102		
	white	1 NO	B	3SB3206-0AA61		102		
	clear ¹⁾	1 NO	B	3SB3206-0AA71		102		
with BA 9s lamp holder without lamp	red ¹⁾	1 NO + 1 NC	B	3SB3205-0AA21		102	0.06	1
	yellow ¹⁾	1 NO + 1 NC	B	3SB3205-0AA31		102		
	green ¹⁾	1 NO + 1 NC	B	3SB3205-0AA41		102		
	blue ¹⁾	1 NO + 1 NC	B	3SB3205-0AA51		102		
	white	1 NO + 1 NC	B	3SB3205-0AA61		102		
	clear ¹⁾	1 NO + 1 NC	B	3SB3205-0AA71		102		

¹⁾ Inscription by inserting a label is possible.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, ○ Round Programme, 22 mm

Complete units

Selection and ordering data

	Version	Colour of actuator/ Lock No.	Contacts for frontplate mounting	DT	Order No. Preferred type	Price 1 unit	PG	Weight approx. kg	Pack Unit
Mushroom push-pull-button unit  nsd0560g	Mushroom push-pull button unit, Ø 40 mm, latching, unlatching by pulling	red	1 NC 1 NO + 1 NC	▶ B	3SB32 03-1CA21 3SB32 01-1CA21		102 102	0.036 0.045	1
Selector switch  nsd0041g	Selector switch, 2 switching positions Switching sequence O-I, operating angle 50° latching  nss 00439g	black	1 NO 1 NO + 1 NC	▶ ▶	3SB32 02-2KA11 3SB32 01-2KA11		102 102	0.033 0.042	1
	Selector switch, 3 switching positions Switching sequence I-O-II, operating angle 2 x 50° latching  nss 00448g	black	1 NO, 1 NO 1 NO + 1 NC, B 1 NO + 1 NC	▶ ▶	3SB32 10-2DA11 3SB32 08-2DA11		102 102	0.043 0.061	1
	non-latching  nss 00445g		1 NO, 1 NO 1 NO + 1 NC, B 1 NO + 1 NC	▶ ▶	3SB32 10-2EA11 3SB32 08-2EA11		102 102	0.043 0.061	1
RONIS key operated switch  nsd0042g	RONIS key-operated switch, flat, 2 switching positions Switching sequence O-I, latching, with key removable in any position, 50° operating angle  nss 00444g	SB 30	1 NO 1 NO + 1 NC	▶ B	3SB32 02-4AD11 3SB32 01-4AD11		102 102	0.085 0.095	1
EMERGENCY-STOP mushroom pushbutton unit  nsd0045g	EMERGENCY-STOP mushroom pushbutton unit, Ø 40 mm, with positive latching function, with turn unlatching mechanism	red	1 NO 1 NO + 1 NC	▶ ▶ A	3SB32 03-1HA20 3SB32 01-1HA20		102 102	0.036 0.045	1
	 96 4041 bg964041								

EMERGENCY-STOP command devices acc. to EN 418 with yellow backing plate, Ø 80 mm, labelled, can also be used with 3TK28 contactor safety combinations (see Part 8)

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, ○ Round Programme, 22 mm

Complete units

Selection and ordering data



Indicator light with smooth lens



Indicator light with lens with concentric rings



Audible signal device



Drive for potentiometer

Version	Colour of lens	Operational voltage	DT	Order No.	Price	PG	Weight approx.	Pack
			▶	Preferred type	1 unit		kg	Unit
Indicator light with smooth lens								
with integrated LED UC 24 V	red		▶	3SB3244-6AA20		102	0.03	1
	yellow		B	3SB3244-6AA30		102		
	green		▶	3SB3244-6AA40		102		
	blue		B	3SB3244-6AA50		102		
	white		B	3SB3244-6AA60		102		
	clear		▶	3SB3244-6AA70		102		
with integrated LED AC 110 V	red		B	3SB3248-6AA20		102	0.04	1
	yellow		B	3SB3248-6AA30		102		
	green		B	3SB3248-6AA40		102		
	blue		B	3SB3248-6AA50		102		
	white		B	3SB3248-6AA60		102		
	clear		B	3SB3248-6AA70		102		
with integrated LED AC 230 V	red		▶	3SB3252-6AA20		102	0.04	1
	yellow		B	3SB3252-6AA30		102		
	green		▶	3SB3252-6AA40		102		
	blue		B	3SB3252-6AA50		102		
	white		B	3SB3252-6AA60		102		
	clear		▶	3SB3252-6AA70		102		
with BA 9s lamp holder without lamp	red		B	3SB3204-6AA20		102	0.04	1
	yellow		B	3SB3204-6AA30		102		
	green		B	3SB3204-6AA40		102		
	blue		B	3SB3204-6AA50		102		
	white		B	3SB3204-6AA60		102		
	clear		B	3SB3204-6AA70		102		
Indicator light with lens with concentric rings								
with integrated LED UC 24 V	red		▶	3SB3244-6BA20		102	0.04	1
	yellow		B	3SB3244-6BA30		102		
	green		▶	3SB3244-6BA40		102		
	blue		B	3SB3244-6BA50		102		
	white		B	3SB3244-6BA60		102		
	clear		▶	3SB3244-6BA70		102		
with integrated LED AC 110 V	red		B	3SB3248-6BA20		102	0.04	1
	yellow		B	3SB3248-6BA30		102		
	green		B	3SB3248-6BA40		102		
	blue		B	3SB3248-6BA50		102		
	white		B	3SB3248-6BA60		102		
	clear		B	3SB3248-6BA70		102		
with integrated LED AC 230 V	red		▶	3SB3252-6BA20		102	0.04	1
	yellow		B	3SB3252-6BA30		102		
	green		▶	3SB3252-6BA40		102		
	blue		B	3SB3252-6BA50		102		
	white		B	3SB3252-6BA60		102		
	clear		▶	3SB3252-6BA70		102		
with BA 9s lamp holder without lamp	red	-	▶	3SB3204-6BA20		102	0.04	1
	yellow		B	3SB3204-6BA30		102		
	green		▶	3SB3204-6BA40		102		
	blue		B	3SB3204-6BA50		102		
	white		B	3SB3204-6BA60		102		
	clear		▶	3SB3204-6BA70		102		
Audible signal device, IP 65 ¹⁾								
Continuous tone (2.4 kHz) Min. operational current 10 mA Min. sound pressure 80 dB/10 cm		UC 24 V	B	3SB3233-7BA10		102	0.03	1
		UC 115 V	B	3SB3234-7BA10		102		
	230 V AC/DC	B	3SB3235-7BA10		102			
Drive for potentiometer ¹⁾²⁾								
			B	3SB1000-7CH07		102	0.02	1

1) Cannot be used with 3SB38 enclosures.

2) The potentiometer is not included in the scope of supply.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, ○ Round Programme, 22 mm

Pushbuttons and switches

Selection and ordering data

Version	Colour of actuator	Inscription	DT	Order No.	Price	PG	Weight approx. kg	Pack Unit
			▶	Preferred type	1 unit			
<i>including holder¹⁾</i>								
 Pushbutton with flat button	Pushbutton with flat button	black	▶	3SB3000-0AA11		102	0.02	5
		red	▶	3SB3000-0AA21		102		
		yellow	B	3SB3000-0AA31		102		
		green	▶	3SB3000-0AA41		102		
		blue	B	3SB3000-0AA51		102		
		white	▶	3SB3000-0AA61		102		
		grey	B	3SB3000-0AB51		102		
		clear ²⁾	B	3SB3000-0AA71		102		
		green	Inscription I B	3SB3000-0AA81		102		
		red	Inscription O B	3SB3000-0AB01		102		
		white	Inscription I B	3SB3000-0AB11		102		
		black	Inscription O B	3SB3000-0AB21		102		
 Pushbutton with raised button	Pushbutton with raised button	black	B	3SB3000-0BA11		102	0.02	5
		red	B	3SB3000-0BA21		102		
		yellow	B	3SB3000-0BA31		102		
		blue	B	3SB3000-0BA51		102		
		white	B	3SB3000-0BA61		102		
 Pushbutton with raised button, locking	Pushbutton, locking with raised button, can be locked by depressing and turning clockwise; unlocking by turning anti-clockwise	black	▶	3SB3000-0CA11		102	0.03	5
		red	B	3SB3000-0CA21		102		
 Pushbutton with raised front ring	Pushbutton with raised front ring (Height 13 mm)	black	B	3SB3000-0AA12		102	0.02	5
		red	B	3SB3000-0AA22		102		
		yellow	B	3SB3000-0AA32		102		
		green	B	3SB3000-0AA42		102		
		blue	B	3SB3000-0AA52		102		
		white	B	3SB3000-0AA62		102		
 Pushbutton with raised front ring (castell.)	Pushbutton with raised front ring with castellations, (Height 13 mm)	black	B	3SB3000-0AA13		100	0.02	5
		red	B	3SB3000-0AA23		100		
		yellow	B	3SB3000-0AA33		100		
		green	B	3SB3000-0AA43		100		
	Illuminated pushbutton with flat button incl. holder for 3 elements	red ²⁾	▶	3SB3001-0AA21		100	0.02	5
		yell. ²⁾	▶	3SB3001-0AA31		100		
		green ²⁾	▶	3SB3001-0AA41		100		
		blue ²⁾	▶	3SB3001-0AA51		100		
		white	B	3SB3001-0AA61		100		
 Illuminated pushbutton with raised button	Illuminated pushbutton with raised button incl. holder for 3 elements	clear ²⁾	▶	3SB3001-0AA71		100		
		red	B	3SB3001-0BA21		100	0.02	5
		yellow	B	3SB3001-0BA31		100		
		green	B	3SB3001-0BA41		100		
		blue	B	3SB3001-0BA51		100		
 Illuminated pushbutton with flat button	Pushbutton, latching, with flat button unlatching by repeated pressing	clear	B	3SB3001-0BA71		100		
		black	B	3SB3000-0DA11		100	0.07	5
		red	B	3SB3000-0DA21		100		
		yellow	B	3SB3000-0DA31		100		
		green	B	3SB3000-0DA41		100		
 Illuminated pushbutton with raised button	Illuminated pushbutton, latching, with flat button incl. holder for 3 elements, unlatching by repeated pressing	blue	B	3SB3000-0DA51		100		
		white	B	3SB3000-0DA61		100		
		grey	B	3SB3000-0DB51		102		
		red ²⁾	B	3SB3001-0DA21		100	0.07	5
		yell. ²⁾	B	3SB3001-0DA31		100		
 Illuminated pushbutton with raised button	Illuminated pushbutton, latching, with flat button incl. holder for 3 elements, unlatching by repeated pressing	green ²⁾	B	3SB3001-0DA41		100		
		blue ²⁾	B	3SB3001-0DA51		100		
		white ²⁾	B	3SB3001-0DA61		100		
		clear ²⁾	B	3SB3001-0DA71		100		

¹⁾Also available without holder. Supplement Order No. with “-Z” and quote order code “B01”.

²⁾ Inscription by inserting a label is possible.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, ○ Round Programme, 22 mm

Pushbuttons and switches

Selection and ordering data



Mushroom pushbutton,
Ø 30 mm



Mushroom pushbutton,
Ø 40 mm



Illuminated mushroom push-
button, Ø 30 mm



Illuminated mushroom push-
button, Ø 40 mm



Push-pull button,
Ø 30 mm



Push-pull button,
Ø 40 mm

Version	Colour of actuator	DT	Order No.	Price	PG	Weight approx. kg	Pack Unit
			▶ Preferred type	1 unit			
<i>including holder¹⁾</i>							
Mushroom pushbutton, Ø 30 mm	black	B	3SB3000-1DA11		102	0.03	5
	red	B	3SB3000-1DA21		102		
	yellow	B	3SB3000-1DA31		102		
	green	B	3SB3000-1DA41		102		
Mushroom pushbutton, Ø 40 mm	black	▶ B	3SB3000-1GA11		102	0.03	5
	red	▶ B	3SB3000-1GA21		102		
	yellow	▶ B	3SB3000-1GA31		102		
	green	▶ B	3SB3000-1GA41		102		
Illuminated mushroom pushbutton, Ø 30 mm incl. holder for 3 elements	yellow	B	3SB3001-1DA31		102	0.02	5
	green	B	3SB3001-1DA41		102	0.04	
	white	B	3SB3001-1DA61		102	0.02	
Illuminated mushroom pushbutton, Ø 40 mm incl. holder for 3 elements	yellow	B	3SB3001-1GA31		102	0.03	5
	green	B	3SB3001-1GA41		102		
	white	B	3SB3001-1GA61		102		
Push-pull button Ø 30 mm, latching unlatching by pulling	black	B	3SB3000-1EA11		102	0.02	5
	red ²⁾	B	3SB3000-1EA21		102	0.03	
Push-pull button Ø 40 mm, latching unlatching by pulling	black	▶ B	3SB3000-1CA11		102	0.03	5
	red	▶ B	3SB3000-1CA21		102		
Push-pull button, Ø 30 mm, latching, illuminated incl. holder for 3 elements, unlatching by pulling	red	B	3SB3001-1EA21		102	0.03	5
	yellow	B	3SB3001-1EA31		102	0.06	
	green	B	3SB3001-1EA41		102	0.03	
	blue	B	3SB3001-1EA51		102		
	clear	B	3SB3001-1EA71		102	0.02	
Push-pull button, Ø 40 mm latching, illuminated incl. holder for 3 elements, unlatching by pulling	red	B	3SB3001-1CA21		102	0.03	5
	yellow	B	3SB3001-1CA31		102		
	green	B	3SB3001-1CA41		102		
	blue	B	3SB3001-1CA51		102		
	clear	B	3SB3001-1CA71		102		

1) Also available without holder. Supplement Order No. with “-Z” and quote order code “B01”.

2) Maximum components provided: 3 single pole or 2 double-pole contact elements. When using the 3SB39 01-0AB holder, the central command position must not be empty.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, ○ Round Programme, 22 mm

Selector switches

Selection and ordering data

Version		Colour of actuator	DT	Order No.	Price	PG	Weight approx. kg	Pack Unit
			▶	Preferred type	1 unit			
including holder ¹⁾								
Selector switches with 2 switching positions								
 nsd0059g		non-illuminated	black red	▶	3SB30 00-2KA11	102	0.023	5
			red	B	3SB30 00-2KA21			
			green	B	3SB30 00-2KA41			
			white	B	3SB30 00-2KA61			
		nss 00439g		illuminated with holder for 3 elements	red yellow green blue clear	B B B B B	3SB30 01-2KA21 3SB30 01-2KA31 3SB30 01-2KA41 3SB30 01-2KA51 3SB30 01-2KA71	102 102 102 102 102
 nsd0060g		non-illuminated	black red	▶	3SB30 00-2LA11	102	0.023	5
			red	B	3SB30 00-2LA21			
			green	B	3SB30 00-2LA41			
			white	B	3SB30 00-2LA61			
		nss 00438g		illuminated with holder for 3 elements	red yellow green blue clear	B B B B B	3SB30 01-2LA21 3SB30 01-2LA31 3SB30 01-2LA41 3SB30 01-2LA51 3SB30 01-2LA71	102 102 102 102 102
Selector switches with 3 switching positions								
		non-illuminated	black red	▶	3SB30 00-2DA11	102	0.023	5
			red	B	3SB30 00-2DA21			
			green	B	3SB30 00-2DA41			
			white	B	3SB30 00-2DA61			
		nss 00448g		illuminated with holder for 3 elements	red yellow green blue clear	B B B B B	3SB30 01-2DA21 3SB30 01-2DA31 3SB30 01-2DA41 3SB30 01-2DA51 3SB30 01-2DA71	102 102 102 102 102
		non-illuminated	black red	▶	3SB30 00-2EA11	102	0.023	5
			red	B	3SB30 00-2EA21			
			green	B	3SB30 00-2EA41			
			white	B	3SB30 00-2EA61			
		nss 00445g		illuminated with holder for 3 elements	red yellow green blue clear	B B B B B	3SB30 01-2EA21 3SB30 01-2EA31 3SB30 01-2EA41 3SB30 01-2EA51 3SB30 01-2EA71	102 102 102 102 102
		non-illuminated ²⁾	black red	▶	3SB30 00-2GA11	102	0.023	5
			red	B	3SB30 00-2GA21			
			green	B	3SB30 00-2GA41			
			white	B	3SB30 00-2GA61			
		nss 00446g						
		non-illuminated ²⁾	black red	B	3SB30 00-2FA11	102	0.023	5
			red	B	3SB30 00-2FA21			
			green	B	3SB30 00-2FA41			
			white	B	3SB30 00-2FA61			
		nss 00447g						

1) Also available without holder. When ordering, append "-Z" to the order number and specify order code "B01".

2) Also available as illuminated selector switch. When ordering, append "-Z" to the order number and specify "illuminated selector switch" and the colour in plain text.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, ○ Round Programme, 22 mm

Key operated switches

Selection and ordering data

Version	Type	Lock No./ colour	Key remov- able in position	DT	Order No.	Price	PG	Weight approx.	Pack
					Preferred type	1 unit		kg	Unit
<i>including holder¹⁾</i>									
RONIS key operated switch  nsd0063g	Switching sequence O–I, latching, 50° operating angle nss 00439g	RONIS flat	SB 30	O+I O I	▶ 3SB30 00–4HD11		102	0.075	
					▶ 3SB30 00–4HD01		102		
					▶ 3SB30 00–4HD21		102		
CES key operated switch  nsd0562g	Switching sequence O–I, latching, 50° operating angle nss 00444g	RONIS flat	SB 30	O+I O I	▶ 3SB30 00–4AD11		102	0.075	1
					▶ 3SB30 00–4AD01		102		
					▶ 3SB30 00–4AD21		102		
IKON key operated switch  nsd0563g		CES	SSG 10	O+I O I	▶ 3SB30 00–4LD11		102	0.126	1
					▶ 3SB30 00–4LD01		102		
					▶ 3SB30 00–4LD21		102		
BKS key operated switch  nsd0564g		CES	LSG 1	O+I O	▶ 3SB30 00–4LF01		102		
					▶ 3SB30 00–4LF11		102		
O.M.R. key operated switch  nsd0067g		IKON	360012 K1	O+I O	▶ 3SB30 00–5LD11		102	0.131	1
					▶ 3SB30 00–5LD01		102		
		BKS	1 NO	O+I O I	▶ 3SB30 00–5AD11		102	0.126	1
					▶ 3SB30 00–5AD01		102		
					▶ 3SB30 00–5AD21		102		
			E1 for VW ²⁾	O+I O	▶ 3SB30 00–5AE01		102		
					▶ 3SB30 00–5AE11		102		
					▶ 3SB30 00–5AE21		102		
			E2 for VW ²⁾	O+I O	▶ 3SB30 00–5AE31		102		
					▶ 3SB30 00–5AE41		102		
					▶ 3SB30 00–5AE51		102		
			E7 for VW ²⁾	O+I O	▶ 3SB30 00–5AE61		102		
					▶ 3SB30 00–5AE71		102		
		O.M.R.	73038 light blue	O+I O	▶ 3SB30 00–3AG11		102	0.117	1
					▶ 3SB30 00–3AG01		102		
					▶ 3SB30 00–3AH11		102		
			73037 red	O+I O	▶ 3SB30 00–3AH01		102		
					▶ 3SB30 00–3AH21		102		
					▶ 3SB30 00–3AJ11		102		
			73034 black	O+I O	▶ 3SB30 00–3AJ01		102		
					▶ 3SB30 00–3AK11		102		
					▶ 3SB30 00–3AK01		102		
		O.M.R.	73033 yellow	O+I O	▶ 3SB30 00–3AG11		102		
					▶ 3SB30 00–3AG01		102		
					▶ 3SB30 00–3AH11		102		
			73037 red	O+I O	▶ 3SB30 00–3AH01		102		
					▶ 3SB30 00–3AH21		102		
					▶ 3SB30 00–3AJ11		102		
			73034 black	O+I O	▶ 3SB30 00–3AJ01		102		
					▶ 3SB30 00–3AK11		102		
					▶ 3SB30 00–3AK01		102		
		O.M.R.	73033 yellow	O+I O	▶ 3SB30 00–3AG11		102		
					▶ 3SB30 00–3AG01		102		
					▶ 3SB30 00–3AH11		102		
			73037 red	O+I O	▶ 3SB30 00–3AH01		102		
					▶ 3SB30 00–3AH21		102		
					▶ 3SB30 00–3AJ11		102		
			73034 black	O+I O	▶ 3SB30 00–3AJ01		102		
					▶ 3SB30 00–3AK11		102		
					▶ 3SB30 00–3AK01		102		
		O.M.R.	73033 yellow	O+I O	▶ 3SB30 00–3AG11		102		
					▶ 3SB30 00–3AG01		102		
					▶ 3SB30 00–3AH11		102		
			73037 red	O+I O	▶ 3SB30 00–3AH01		102		
					▶ 3SB30 00–3AH21		102		
					▶ 3SB30 00–3AJ11		102		
			73034 black	O+I O	▶ 3SB30 00–3AJ01		102		
					▶ 3SB30 00–3AK11		102		
					▶ 3SB30 00–3AK01		102		

For special designs, see page 9/29.

1) Also available without holder. When ordering, append “–Z” to the order number and specify order code “B01”.

2) Supplied without key.

3) In accordance with FIAT car company standards, can also be used by other users.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, ○ Round Programme, 22 mm

Key operated switches

Selection and ordering data

Version	Type	Lock No./ colour	Key remov- able in position	DT	Order No.	Price 1 unit	PG	Weight approx. kg	Pack Unit
including holder ¹⁾									
RONIS key operated switch									
 nsd0063g	 Switching sequence I-O-II, latching, 2 × 50° operating angle nss 00448g	RONIS	SB 30	O+I+II O I+II I II O+I	B B B B B B	3SB30 00-4DD11 3SB30 00-4DD01 3SB30 00-4DD41 3SB30 00-4DD21 3SB30 00-4DD31 3SB30 00-4DD51	102 102 102 102 102 102	0.075	1
		CES	SSG 10	O+I+II O I+II I II	B B B B B	3SB30 00-4PD11 3SB30 00-4PD01 3SB30 00-4PD41 3SB30 00-4PD21 3SB30 00-4PD31	102 102 102 102 102	0.126	1
		IKON	360012 K 1	O+I+II	B	3SB30 00-5PD11	102	0.131	1
		BKS	1 NO	O+I+II O II	B B B	3SB30 00-5DD11 3SB30 00-5DD01 3SB30 00-5DD31	102 102 102	0.126	1
		O.M.R. 2)	73038 light blue	I+O+II O	B B	3SB30 00-3DG11 3SB30 00-3DG01	102 102	0.117	1
		73037 red	I+O+II O	B B	3SB30 00-3DH11 3SB30 00-3DH01	102 102			
CES key operated switch									
 nsd0562g	 Switching sequence I-O-II, non-latching (return from right and left), 2 × 50° operating angle nss 00445g	RONIS	SB 30	O	B	3SB30 00-4ED01	102	0.075	1
		CES	SSG 10	O	B	3SB30 00-4QD01	102	0.126	1
		IKON	350012 K 1	O	B	3SB30 00-5QD01	102	0.131	1
		BKS	1 NO	O	B	3SB30 00-5ED01	102	0.126	1
		O.M.R. 2)	73038 light blue	O	B	3SB30 00-3EG01	102	0.117	1
		73037 red	O	B	3SB30 00-3EH01	102			
IKON key operated switch									
 nsd0563g	 Switching sequence I-O-II, non-latching (return from right and left), 2 × 50° operating angle nss 00445g	RONIS	SB 30	O	B	3SB30 00-4ED01	102	0.075	1
		CES	SSG 10	O	B	3SB30 00-4QD01	102	0.126	1
		IKON	350012 K 1	O	B	3SB30 00-5QD01	102	0.131	1
		BKS	1 NO	O	B	3SB30 00-5ED01	102	0.126	1
		O.M.R. 2)	73038 light blue	O	B	3SB30 00-3EG01	102	0.117	1
		73037 red	O	B	3SB30 00-3EH01	102			
BKS key operated switch									
 nsd0564g	 Switching sequence I-O-II, non-latching (return from right and left), 2 × 50° operating angle nss 00445g	RONIS	SB 30	O	B	3SB30 00-4ED01	102	0.075	1
		CES	SSG 10	O	B	3SB30 00-4QD01	102	0.126	1
		IKON	350012 K 1	O	B	3SB30 00-5QD01	102	0.131	1
		BKS	1 NO	O	B	3SB30 00-5ED01	102	0.126	1
		O.M.R. 2)	73038 light blue	O	B	3SB30 00-3EG01	102	0.117	1
		73037 red	O	B	3SB30 00-3EH01	102			
O.M.R. key operated switch									
 nsd0067g	 Switching sequence I-O-II, non-latching (return from right and left), 2 × 50° operating angle nss 00445g	RONIS	SB 30	O	B	3SB30 00-4ED01	102	0.075	1
		CES	SSG 10	O	B	3SB30 00-4QD01	102	0.126	1
		IKON	350012 K 1	O	B	3SB30 00-5QD01	102	0.131	1
		BKS	1 NO	O	B	3SB30 00-5ED01	102	0.126	1
		O.M.R. 2)	73038 light blue	O	B	3SB30 00-3EG01	102	0.117	1
		73037 red	O	B	3SB30 00-3EH01	102			

For special designs, see page 9/29.

1) Also available without holder. When ordering, append "-Z" to the order number and specify order code "B01".

2) In accordance with FIAT car company standards, can also be used by other users.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, ○ Round Programme, 22 mm

Key operated switches

Selection and ordering data

Version	Type	Lock No./ colour	Key remov- able in position	DT	Order No.	Price	PG	Weight approx.	Pack
						1 unit		kg	Unit

including holder¹⁾

RONIS key operated switch



nsd0063g

CES key operated switch



nsd0562g

IKON key operated switch



nsd0563g

BKS key operated switch



nsd0564g

O.M.R. key operated switch



nsd0067g

Key operated switches with 2 keys and 3 switching positions									
 nss 00446g	RONIS	SB 30 flat	O+II O II	B B B	3SB30 00-4GD61 3SB30 00-4GD01 3SB30 00-4GD31	102 102 102	0.075	1	
	CES	SSG 10	O+II O II	B B B	3SB30 00-4SD61 3SB30 00-4SD01 3SB30 00-4SD31	102 102 102	0.126	1	
	BKS	1 NO	O	B	3SB30 00-5GD01	102	0.126	1	
 nss 00447g	RONIS	SB 30 flat	O+I O I	B B B	3SB30 00-4FD51 3SB30 00-4FD01 3SB30 00-4FD21	102 102 102	0.075	1	
	CES	SSG 10	O+I O I	B B B	3SB30 00-4RD51 3SB30 00-4RD01 3SB30 00-4RD21	102 102 102	0.126	1	
	IKON	350012 K1	O+I	B	3SB30 00-5RD51	102	0.131	1	
	BKS	1 NO	O+I O I	B B B	3SB30 00-5FD51 3SB30 00-5FD01 3SB30 00-5FD21	102 102 102	0.126	1	
	O.M.R.	73038 light blue 73034 black	O I I	B B B	3SB30 00-3FG01 3SB30 00-3FG21 3SB30 00-3FJ21	102 102 102	0.117	1	

For special designs, see page 9/29.

¹⁾ Also available without holder. When ordering, append “–Z” to the order number and specify order code “B01”.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, ○ Round Programme, 22 mm

Key operated switches

Selection and ordering data

Special locks for keyswitches

Special locks, which are listed in the table below. The average delivery time is 5 working days.

In this case, append “-Z”, the order code **Y02** and the desired key operated switch number to the order number.

Ordering example

3SB30 00-4LD01-Z
Y02
Z = SSG11

Note

For applications in which access security is important and several key operated switch numbers are used, we recommend the use of BKS, CES or IKON locks.

Order No. Code	Possible special locks	Order No.	Possible special locks	Order No.	Possible special locks
3SB3. ...-4AD...-Z Y02	SB31 to SB49, T421 to T455, T458	3SB3. ...-4LD...-Z Y02	SSG 11 to SSG 15	3SB3. ...-5AD...-Z Y02	E1, E2, E7, E9
3SB3. ...-4BD...-Z Y02		3SB3. ...-4MD...-Z Y02		3SB3. ...-5BD...-Z Y02	
3SB3. ...-4DD...-Z Y02		3SB3. ...-4PD...-Z Y02		3SB3. ...-5DD01-Z Y02	
3SB3. ...-4ED...-Z Y02		3SB3. ...-4QD...-Z Y02		3SB3. ...-5DD11-Z Y02	
3SB3. ...-4GD...-Z Y02		3SB3. ...-4SD...-Z Y02		3SB3. ...-5DD41-Z Y02	
3SB3. ...-4FD...-Z Y02	SB31 to SB49, T421 to T455, T458	3SB3. ...-4RD...-Z Y02	SSP 9	3SB3. ...-5ED...-Z Y02	E 9
				3SB3. ...-5GD01-Z Y02	
				3SB3. ...-5FD01-Z Y02	
				3SB3. ...-5FD51-Z Y02	
3SB3. ...-1BA20-Z Y02	SB31 to SB49, T421 to T455, T458	3SB3. ...-1KA20-Z Y02	SSP 9	3SB3. ...-1LA20-Z Y02	E2, E7, E9

Special locks which are not listed in the above table. The average delivery time is 25 working days.

In this case, append “-Z”, the order code **Y01** and the desired key operated switch number to the order number.

Ordering example

3SB30 00-4LD01-Z
Y01
Z = SSG18

Note

Special locks for VW (E1, E2, ...) will be delivered without keys, all others with 2 keys.

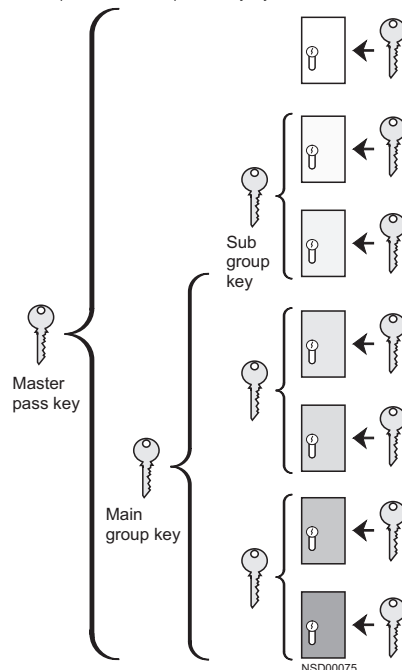
Master and pass key systems

Safety key operated switch actuators with BKS, CES, IKON and O.M.R. can be supplied for use with:

- central key operated switch systems,
- master key systems,
- central master key systems,
- master pass key systems.

Please enquire for price and delivery time.

Example of master pass-key system



Pushbutton Units and Indicator Lights

SIGNUM 3SB3, ○ Round Programme, 22 mm

EMERGENCY-STOP mushroom pushbuttons

Selection and ordering data

Version	Colour of actuator, key withdrawable in position	DT	Order No.	Price	PG	Weight approx.	Pack
		►	Preferred type	1 unit		kg	Unit
EMERGENCY-STOP command devices according to EN 418, including holder^{1) 2)}, can also be used with 3TK28 contactor safety combinations (see Section 8)							
 nsd0068g	Mushroom pushbutton, Ø 40 mm, with positive latching function unlatching by turning the knob to the left		► 3SB30 00-1HA20		102	0.044	5
 nsd0069g	Mushroom pushbutton, Ø 40 mm, with positive latching function, with RONIS lock Lock No. SB 30, supplied with 2 keys, unlocking only possible using key	red ON/OFF	B 3SB30 00-1BA20		102	0.1	1
	Mushroom pushbutton, Ø 40 mm, with positive latching function, with CES lock Lock No. SSG 10, supplied with 2 keys, unlocking only possible using key	red ON/OFF	B 3SB30 00-1KA20		102	0.04	1
	Mushroom pushbutton, Ø 40 mm, with positive latching function, with BKS lock Lock No. S1, supplied with 2 keys, unlocking only possible using key	red ON/OFF	B 3SB30 00-1LA20		102	0.04	1
	Mushroom pushbutton, Ø 40 mm, with positive latching function, with O.M.R. lock Lock No. 73037, supplied with 2 keys, unlocking only possible using key	red ON/OFF	B 3SB30 00-1MA20		102	0.04	1

Indicator lights and audible signal devices

Selection and ordering data

Version	Colour of lens	DT	Order No.	Price	PG	Weight approx.	Pack
		►	Preferred type	1 unit		kg	Unit
including holder¹⁾							
 nsd0565g	Indicator light with smooth lens	red yellow green blue white clear	► 3SB30 01-6AA20 B 3SB30 01-6AA30 ► 3SB30 01-6AA40 B 3SB30 01-6AA50 B 3SB30 01-6AA60 ► 3SB30 01-6AA70		102 102 102 102 102 102	0.018	5
	with lens with concentric rings	red yellow green blue white clear	B 3SB30 01-6BA20 B 3SB30 01-6BA30 B 3SB30 01-6BA40 B 3SB30 01-6BA50 B 3SB30 01-6BA60 B 3SB30 01-6BA70		102 102 102 102 102 102	0.018	5
 nsd0071g	Audible signal device, IP 40³⁾ for audible signal transducer DC 24V ⁴⁾ with BA 9s holder	black	B 3SB30 00-7AA10		102	0.018	5

1) Also available without holder. When ordering, append "-Z" to the order number and specify code "B01".

2) The yellow backing plate must be ordered separately; see page 9/57.

3) Audible signal device, IP 65, see page 9/22.

4) Audible signal transducer must be ordered separately when using the 3SB34 00-1A lampholder; see page 9/58.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, ○ Round Programme, 22 mm

Twin pushbuttons

Selection and ordering data

Version	Colour	DT	Order No.	Price	PG	Weight approx.	Pack
				1 unit		kg	Unit
 Twin pushbutton with flat buttons nsd0072g	<i>including holder¹⁾</i>						
	Twin pushbutton , IP 65, with flat buttons ²⁾	green/red inscription I/O	B 3SB31 00-8AC21		102	0.027	5
		white/black inscription I/O	B 3SB31 00-8AC31		102		
	Twin pushbutton , IP 65, with flat and raised buttons ²⁾	green/red inscription I/O	B 3SB31 00-8CC21		102	0.027	5
 Twin pushbutton with indicator light, with flat and raised buttons nsd0073g	Twin pushbutton with indicator light , IP 65, with flat buttons ²⁾ incl. holders for 3 elements	green/red inscription I/O	B 3SB31 01-8BC21		102	0.027	5
		white/black inscription I/O	B 3SB31 01-8BC31		102		
	Twin pushbutton with indicator light , IP 65, with flat and raised buttons ²⁾ incl. holder for 3 elements	green/red inscription I/O	B 3SB31 01-8DC21		102	0.027	5
		white/black inscription I/O	B 3SB31 01-8DC31		102		

Accessories

Version	DT	Order No.	Price	PG	Weight approx.	Pack
			1 unit		kg	Unit
 Inscription plate nsd0074g		B 3SB39 22-0AY		102		10
Label holder , 30 mm x 70 mm, for inscription plate 12.5 mm x 27 mm ³⁾						
 Protective cap nsd0075g		B 3SB39 21-0AQ		102		1
Protective cap , clear, silicone, for degree of protection IP 67, can be used for twin pushbutton with flat buttons						

1) Also available without holder. When ordering, append “-Z” to the order number and specify code “B01”.

2) Black inscription with green, red and white buttons, white inscription with black buttons.

3) For inscription plates, see pages 9/54 and 9/55.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, □ Square Programme, 26 mm × 26 mm

Complete units

Selection and ordering data

	Version	Colour of actuator	Contacts for front DT plate mounting version		Order No.	Price	PG	Weight approx.	Pack
						1 unit		kg	Unit
Pushbutton unit  nsd0076g	Pushbutton units with flat button	black	1 NO	B	3SB33 02-0AA11		102	0.029	1
		black	1 NC	B	3SB33 03-0AA11		102		
		red	1 NC	B	3SB33 03-0AA21		102		
		yellow	1 NO	B	3SB33 02-0AA31		102		
		green	1 NO	B	3SB33 02-0AA41		102		
		blue	1 NO	B	3SB33 02-0AA51		102		
		white	1 NO	B	3SB33 02-0AA61		102		
		black	1 NO + 1 NC	B	3SB33 01-0AA11		102		1
		red	1 NO + 1 NC	B	3SB33 01-0AA21		102		
		yellow	1 NO + 1 NC	B	3SB33 01-0AA31		102		
		green	1 NO + 1 NC	B	3SB33 01-0AA41		102		
		blue	1 NO + 1 NC	B	3SB33 01-0AA51		102		
		white	1 NO + 1 NC	B	3SB33 01-0AA61		102		
Illuminated pushbutton unit  nsd0077g	Illuminated pushbutton units with flat button	with integrated LED AC/DC 24 V							
		red ¹⁾	1 NC	B	3SB33 46-0AA21		102	0.04	1
		yellow ¹⁾	1 NO	B	3SB33 45-0AA31		102		
		green ¹⁾	1 NO	B	3SB33 45-0AA41		102		
		blue ¹⁾	1 NO	B	3SB33 45-0AA51		102		
		white	1 NO	B	3SB33 45-0AA61		102		
		clear ¹⁾	1 NO	B	3SB33 45-0AA71		102		
		red ¹⁾	1 NO + 1 NC	B	3SB33 47-0AA21		102	0.047	1
		yellow ¹⁾	1 NO + 1 NC	B	3SB33 47-0AA31		102		
		green ¹⁾	1 NO + 1 NC	B	3SB33 47-0AA41		102		
		blue ¹⁾	1 NO + 1 NC	B	3SB33 47-0AA51		102		
		white	1 NO + 1 NC	B	3SB33 47-0AA61		102		
		clear ¹⁾	1 NO + 1 NC	B	3SB33 47-0AA71		102		
		with integrated LED AC 230 V							
		red ¹⁾	1 NC	B	3SB33 54-0AA21		102	0.04	1
		yellow ¹⁾	1 NO	B	3SB33 53-0AA31		102		
		green ¹⁾	1 NO	B	3SB33 53-0AA41		102		
		blue ¹⁾	1 NO	B	3SB33 53-0AA51		102		
		white	1 NO	B	3SB33 53-0AA61		102		
		clear ¹⁾	1 NO	B	3SB33 53-0AA71		102		
		red ¹⁾	1 NO + 1 NC	B	3SB33 55-0AA21		102	0.047	1
		yellow ¹⁾	1 NO + 1 NC	B	3SB33 55-0AA31		102		
		green ¹⁾	1 NO + 1 NC	B	3SB33 55-0AA41		102		
		blue ¹⁾	1 NO + 1 NC	B	3SB33 55-0AA51		102		
		white	1 NO + 1 NC	B	3SB33 55-0AA61		102		
		clear ¹⁾	1 NO + 1 NC	B	3SB33 55-0AA71		102		
		with BA 9s lamp holder							
		red ¹⁾	1 NC	B	3SB33 07-0AA21		102	0.041	1
		yellow ¹⁾	1 NO	B	3SB33 06-0AA31		102		
		green ¹⁾	1 NO	B	3SB33 06-0AA41		102		
		blue ¹⁾	1 NO	B	3SB33 06-0AA51		102		
		white	1 NO	B	3SB33 06-0AA61		102		
		clear ¹⁾	1 NO	B	3SB33 06-0AA71		102		
		red ¹⁾	1 NO + 1 NC	B	3SB33 05-0AA21		102	0.050	1
		yellow ¹⁾	1 NO + 1 NC	B	3SB33 05-0AA31		102		
		green ¹⁾	1 NO + 1 NC	B	3SB33 05-0AA41		102		
		blue ¹⁾	1 NO + 1 NC	B	3SB33 05-0AA51		102		
		white	1 NO + 1 NC	B	3SB33 05-0AA61		102		
		clear ¹⁾	1 NO + 1 NC	B	3SB33 05-0AA71		102		
EMERGENCY-STOP mushroom pushbutton unit  nsd0078g	Mushroom pushbutton, Ø 40 mm, with positive latching function, unlatching by turning	red	1 NO	 B	3SB33 03-1HA20		102	0.053	1
			1 NO + 1 NC	 B	3SB33 01-1HA20		102	0.061	
EMERGENCY-STOP command devices according to EN 418 with yellow backing plate, Ø 80 mm, labelled, can also be used with 3TK28 contactor safety combinations (see Section 8)									
bg964041  96 4041									

1) Inscription by inserting a label is possible.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, □ Square Programme, 26 mm × 26 mm

Complete units

Selection and ordering data

	Version	Colour of lens	DT	Order No.	Price	PG	Weight approx.	Pack
					1 unit		kg	Unit
 nsd0079g	Indicator light with integrated LED AC/DC 24 V	red	B	3SB33 44-6AA20		102	0.03	1
		yellow	B	3SB33 44-6AA30		102		
		green	B	3SB33 44-6AA40		102		
		blue	B	3SB33 44-6AA50		102		
		white	B	3SB33 44-6AA60		102		
		clear	B	3SB33 44-6AA70		102		
	with integrated LED AC 230 V	red	B	3SB33 52-6AA20		102	0.03	1
		yellow	B	3SB33 52-6AA30		102		
		green	B	3SB33 52-6AA40		102		
		blue	B	3SB33 52-6AA50		102		
		white	B	3SB33 52-6AA60		102		
		clear	B	3SB33 52-6AA70		102		
	with BA 9s lamp holder	red	B	3SB33 04-6AA20		102	0.03	1
		yellow	B	3SB33 04-6AA30		102		
		green	B	3SB33 04-6AA40		102		
		blue	B	3SB33 04-6AA50		102		
		white	B	3SB33 04-6AA60		102		
		clear	B	3SB33 04-6AA70		102		

Pushbuttons

Selection and ordering data

	Version	Colour of actuator	DT	Order No.	Price	PG	Weight approx.	Pack
					1 unit		kg	Unit
 nsd0080g	<i>including holder¹⁾</i>							
	Pushbutton with flat button	black	B	3SB31 10-0AA11		102	0.019	5
		red	B	3SB31 10-0AA21		102		
		yellow	B	3SB31 10-0AA31		102		
		green	B	3SB31 10-0AA41		102		
		blue	B	3SB31 10-0AA51		102		
		white	B	3SB31 10-0AA61		102		
		clear ²⁾	B	3SB31 10-0AA71		102		
	Pushbutton with raised front ring (Height 13 mm)	black	B	3SB31 10-0AA12		102	0.02	5
		red	B	3SB31 10-0AA22		102		
		white	B	3SB31 10-0AA62		102		
	Pushbutton with raised front ring with castellations (height 13 mm)	black	B	3SB31 10-0AA13		102	0.02	5
		yellow	B	3SB31 10-0AA33		102		
		green	B	3SB31 10-0AA43		102		
 nsd0081g	Illuminated pushbutton with flat button incl. holder for 3 elements	red ²⁾	B	3SB31 11-0AA21		102	0.019	5
		yell. ²⁾	B	3SB31 11-0AA31		102		
		green ²⁾	B	3SB31 11-0AA41		102		
		blue ²⁾	B	3SB31 11-0AA51		102		
		white	B	3SB31 11-0AA61		102		
		clear ²⁾	B	3SB31 11-0AA71		102		

1) Also available without holder. When ordering, append "-Z" to the order number and specify code "B01".

2) Inscription by inserting a label is possible.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, □ Square Programme, 26 mm × 26 mm

Pushbutton switches and selector switches

Selection and ordering data

Version		Colour of actuator	DT	Order No.	Price	PG	Weight approx.	Pack	
					1 unit		kg	Unit	
including holder ¹⁾									
 nsd0080g	Pushbutton switch, latching, with flat button unlatching by pressing again	black	B	3SB31 10-0DA11		102	0.019	5	
		red	B	3SB31 10-0DA21		102			
		yellow	B	3SB31 10-0DA31		102			
		green	B	3SB31 10-0DA41		102			
		blue	B	3SB31 10-0DA51		102			
		white	B	3SB31 10-0DA61		102			
 nsd0081g	Illuminated pushbutton switch, latching, with flat button incl. holder for 3 elements unlatching by pressing again	red ²⁾	B	3SB31 11-0DA21		102	0.019	5	
		yell. ²⁾	B	3SB31 11-0DA31		102			
		green ²⁾	B	3SB31 11-0DA41		102			
		blue ²⁾	B	3SB31 11-0DA51		102			
		white ²⁾	B	3SB31 11-0DA61		102			
		clear ²⁾	B	3SB31 11-0DA71		102			
Selector switches with 2 switching positions									
 nsd0081g	 nss 00439g	non-illuminated	black	B	3SB31 10-2KA11		102	0.023	5
			red	B	3SB31 10-2KA21		102		
			green	B	3SB31 10-2KA41		102		
			white	B	3SB31 10-2KA61		102		
	illuminated incl. holder for 3 elements	red	B	3SB31 11-2KA21		102			
		yellow	B	3SB31 11-2KA31		102			
 nsd0084g	 nss 00438g	non-illuminated	black	B	3SB31 10-2LA11		102	0.023	5
			red	B	3SB31 10-2LA21		102		
			green	B	3SB31 10-2LA41		102		
			white	B	3SB31 10-2LA61		102		
	illuminated incl. holder for 3 elements	red	B	3SB31 11-2LA21		102			
		yellow	B	3SB31 11-2LA31		102			
 nsd0085g	 nss 00448g	non-illuminated	black	B	3SB31 10-2DA11		102	0.023	5
			red	B	3SB31 10-2DA21		102		
			green	B	3SB31 10-2DA41		102		
			white	B	3SB31 10-2DA61		102		
	illuminated incl. holder for 3 elements	red	B	3SB31 11-2DA21		102			
		yellow	B	3SB31 11-2DA31		102			
 nsd0084g	 nss 00445g	non-illuminated	black	B	3SB31 10-2EA11		102	0.023	5
			red	B	3SB31 10-2EA21		102		
			green	B	3SB31 10-2EA41		102		
			white	B	3SB31 10-2EA61		102		
	illuminated incl. holder for 3 elements	red	B	3SB31 11-2EA21		102			
		yellow	B	3SB31 11-2EA31		102			
 nsd0085g	 nss 00446g	non-illuminated³⁾	black	B	3SB31 10-2GA11		102	0.023	5
			red	B	3SB31 10-2GA21		102		
			green	B	3SB31 10-2GA41		102		
			white	B	3SB31 10-2GA61		102		
	non-illuminated³⁾	black	B	3SB31 10-2FA11		102	0.023	5	
		red	B	3SB31 10-2FA21		102			
 nsd0047g	 nss 00447g	non-illuminated³⁾	black	B	3SB31 10-2FA11		102	0.023	5
			red	B	3SB31 10-2FA21		102		
			green	B	3SB31 10-2FA41		102		
			white	B	3SB31 10-2FA61		102		
	non-illuminated³⁾	black	B	3SB31 10-2FA11		102	0.023	5	
		red	B	3SB31 10-2FA21		102			

1) Also available without holder. When ordering, append "Z" to the order number and specify code "B01".

2) Inscription by inserting a label is possible.

3) Also available as illuminated selector switch. Append "Z" to the order number and specify "illuminated selector switch" and the colour in plain text.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, □ Square Programme, 26 mm × 26 mm

Key operated switches

Selection and ordering data

Version	Type	Lock No./ colour	Key remov- able in position	DT	Order No.	Price 1 unit	PG	Weight approx. kg	Pack Unit
including holder ¹⁾									
RONIS key operated switch									
 nsd0086g	Key operated switches with 2 keys and 2 switching positions								
		Switching sequence O-I, latching, 50° operating angle	RONIS flat	SB 30	O+I O I	B B B	3SB31 10-4AD11 3SB31 10-4AD01 3SB31 10-4AD21	102 102 102	0.075 1
	nss 00444g		CES	SSG 10	O+I O I	B B B	3SB31 10-4LD11 3SB31 10-4LD01 3SB31 10-4LD21	102 102 102	0.126 1
				LSG 1	O	B	3SB31 10-4LF11	102	
			IKON	360012 K 1	O	B	3SB31 10-5LD01	102	0.131 1
 nsd0566g		BKS	1 NO	O+I O	B B	3SB31 10-5AD11 3SB31 10-5AD01	102 102	0.126 1	
			E1 for VW ²⁾	O+I	B	3SB31 10-5AE01	102		
			E2 for VW ²⁾	O	B	3SB31 10-5AE31	102		
			E7 for VW ²⁾	O+IO O	B B	3SB31 10-5AE41 3SB31 10-5AE51	102 102		
			E9 for VW ²⁾	O	B	3SB31 10-5AE71	102		
		O.M.R. ³⁾	73038 light blue	O+I O	B B	3SB31 10-3AG11 3SB31 10-3AG01	102 102	0.117 1	
			73037 red	O+I O	B B	3SB31 10-3AH11 3SB31 10-3AH01	102 102		
 nsd0088g			73034 black	O+I O	B B	3SB31 10-3AJ11 3SB31 10-3AJ01	102 102		
			73033 yellow	O+I O	B B	3SB31 10-3AK11 3SB31 10-3AK01	102 102		
		RONIS flat	SB 30	O	B	3SB31 10-4BD01	102	0.075 1	
		CES	SSG 10	O	B	3SB31 10-4MD01	102	0.126 1	
		IKON	360012 K 1	O	B	3SB31 10-5MD01	102	0.131 1	
nss 00441g		BKS	1 NO	O	B	3SB31 10-5BD01	102	0.126 1	
		O.M.R. ³⁾	73034 black	O	B	3SB31 10-3BJ01	102	0.117 1	

For special designs, see page 9/29.

1) Also available without holder. When ordering, append “-Z” to the order number and specify code “B01”.

2) Supplied without the key.

3) In accordance with FIAT car company standards, can also be used by other users.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, □ Square Programme, 26 mm × 26 mm

Key operated switches

Selection and ordering data

Version	Type	Lock No./ colour	Key remov- able in position	DT	Order No.	Price 1 unit	PG	Weight approx. kg	Pack Unit
including holder¹⁾									
RONIS key operated switch  nsd0086g	Key operated switches with 2 keys and 3 switching positions								
	 nss 00448g	Switching sequence I-O-II, latching, 2 x 50° operating angle	RONIS SB 30 flat	I+O+II O I+II	B B B	3SB31 10-4DD11 3SB31 10-4DD01 3SB31 10-4DD41	102 102 102	0.075	1
			CES SSG 10	I+O+II O	B B	3SB31 10-4PD11 3SB31 10-4PD01	102 102	0.126	1
			O.M.R. 73037 red 2)	O	B	3SB31 10-3DH01	102	0.117	1
			73034 black	I+O+II O	B B	3SB31 10-3DJ11 3SB31 10-3DJ01	102 102		
CES key operated switch  nsd0566g	 nss 00445g	Switching sequence I-O-II, non-latching (return from the right and left), 2 x 50° operating angle	RONIS SB 30 flat	O	B	3SB31 10-4ED01	102	0.075	1
			CES SSG 10	O	B	3SB31 10-4QD01	102	0.126	1
			IKON 360012 K1	O	B	3SB31 10-5QD01	102	0.131	1
O.M.R. key operated switch  nsd0088g	 nss 00446g	Switching sequence I-O-II, latching to the right, non-latching to the left (return from the left), 2 x 50° operating angle	CES SSG 10	O	B	3SB31 10-4SD01	102	0.075	1
	 nss 00447g	Switching sequence I-O-II, latching to the left, non-latching to the right (return from the right), 2 x 50° operating angle	RONIS SB 30 flat	O	B	3SB31 10-4FD01	102	0.075	1
			CES SSG 10	O+I	B	3SB31 10-4RD51	102	0.126	1
			BKS 1 NO	I	B	3SB31 10-5FD21	102	0.126	1

For special designs, see page 9/29.

1) Also available without holder. When ordering, append “-Z” to the order number and specify code “B01”.

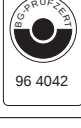
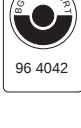
2) In accordance with FIAT car company standards, can also be used by other users.

Pushbutton Units and Indicator Lights

SIGNUM 3SB3, □ Square Programme, 26 mm × 26 mm

EMERGENCY-STOP mushroom pushbuttons

Selection and ordering data

Version	Colour of actuator, key withdrawable in position	DT	Order No.	Price 1 unit	PG	Weight approx. kg	Pack Unit
<i>EMERGENCY-STOP command devices according to EN 418, including holder¹⁾ 2), can also be used with 3TK28 contactor safety combinations (see Section 8)</i>							
EMERGENCY-STOP mushroom pushbutton 	Mushroom pushbutton, Ø 40 mm, with positive latching unlatching when turned to the left	red		B	3SB31 10-1HA20	102 0.044	5
nsd0089g	Mushroom pushbutton, Ø 40 mm, with positive latching function, with RONIS lock Lock No. SB 30, supplied with 2 keys, unlatching only by using the key	red ON/OFF		B	3SB31 10-1BA20	102 0.1	1
EMERGENCY-STOP mushroom pushbutton with lock 	Mushroom pushbutton, Ø 40 mm, with positive latching function, with CES lock Lock No. SSG 10, supplied with 2 keys, unlatching only by using the key	red ON/OFF		B	3SB31 10-1KA20	102 0.1	1
nsd0090g	Mushroom pushbutton, Ø 40 mm, with positive latching function, with BKS lock Lock No. S1, supplied with 2 keys, unlatching only by using the key	red ON/OFF		B	3SB31 10-1LA20	102 0.1	1
	Mushroom pushbutton, Ø 40 mm, with positive latching function, with O.M.R. lock Lock No. 73037, supplied with 2 keys, unlatching only by using the key	red ON/OFF		B	3SB31 10-1MA20	102 0.1	1

Indicator lights

Selection and ordering data

Version	Colour of lens	DT	Order No.	Price 1 unit	PG	Weight approx. kg	Pack Unit
<i>including holder¹⁾</i>							
Indicator light 	Indicator light	red yellow green blue white clear	B B B B B B	3SB31 11-6AA20 3SB31 11-6AA30 3SB31 11-6AA40 3SB31 11-6AA50 3SB31 11-6AA60 3SB31 11-6AA70	102 102 102 102 102 102	0.017	5
nsd0091g							

1) Also available without holder. When ordering, append "-Z" to the order number and specify code "B01".

2) The yellow backing plate must be ordered separately; see page 9/57.