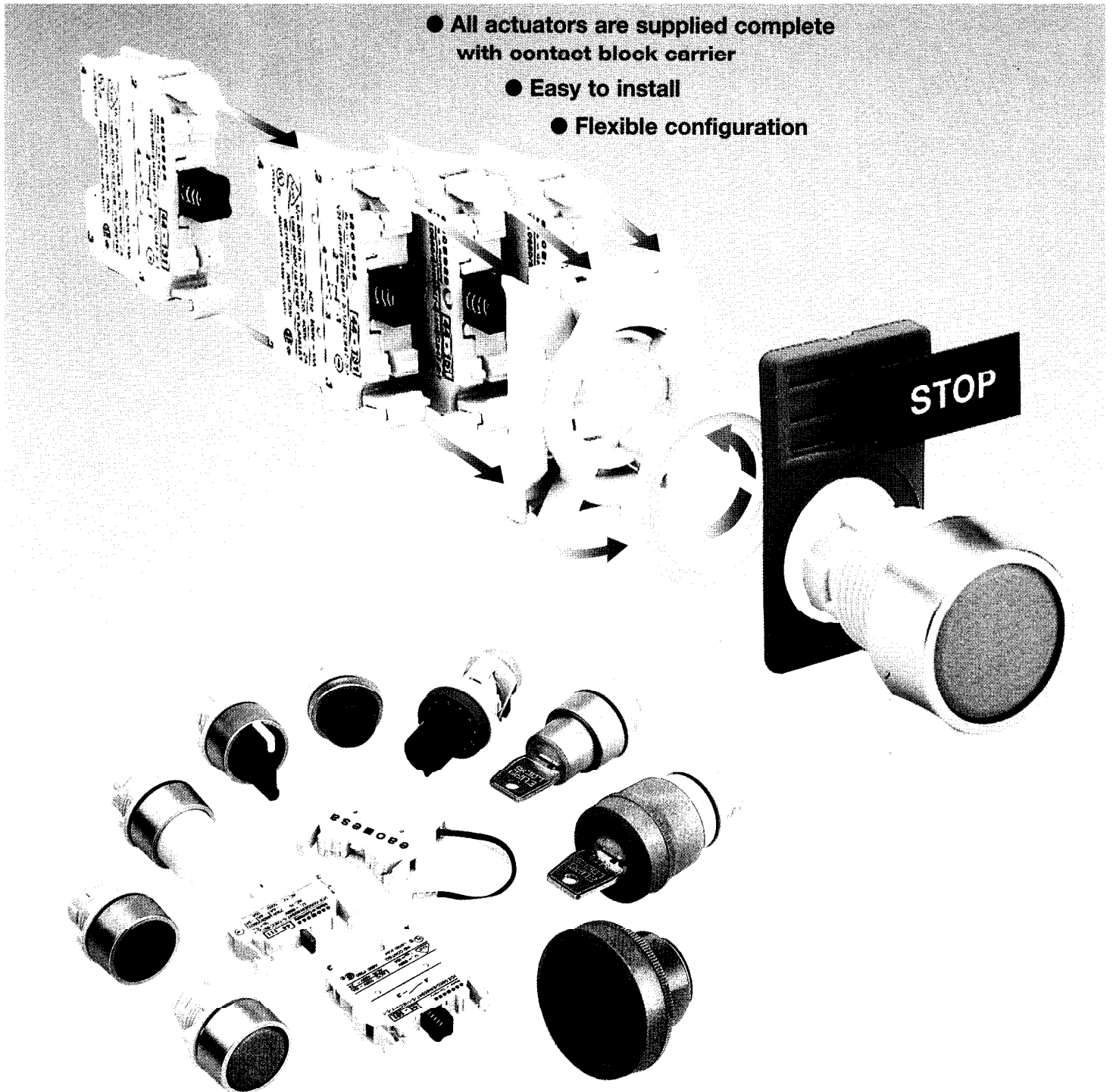


series 44 PILOT DEVICES

Comprehensive range of panel mounting Pilot Devices available from MTE

- 22.5mm diameter single mounting hole
- Certified by CSA and Lloyds
- Comply with BS, IEC, VDE and UL
- Conform to IEC 947-5-1 and EN60-947-5-1
- Oil and moisture proof to IP65
- 10A lth 600V a.c. max. contacts

- All actuators are supplied complete with contact block carrier
- Easy to install
- Flexible configuration



Selection Information

series 44

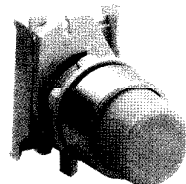
- Standard or extended pushbutton actuators
- Available in six colours
- Stay-put or momentary action
- Mushroom head actuators
- Emergency stop actuators to EN418
- Two or Three position hand operated switches & key switches

OPERATORS

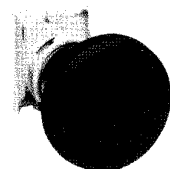


Product description	Colour or type	Order reference	Order reference
Standard actuator		Stay-put action	Momentary action
Order contact blocks and legend plates separately.	Black	44 . 702 . 200	44 . 701 . 200
	Red	44 . 702 . 202	44 . 701 . 202
	Yellow	44 . 702 . 204	44 . 701 . 204
	Green	44 . 702 . 205	44 . 701 . 205
	Blue	44 . 702 . 206	44 . 701 . 206
	White	44 . 702 . 209	44 . 701 . 209

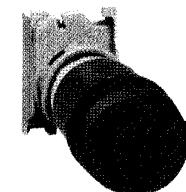
Extended bezel. To prevent accidental operation 44 . 968 . 2



Extended actuator		Stay-put action	Momentary action
	Black	44 . 706 . 200	44 . 704 . 200
	Red	44 . 706 . 202	44 . 704 . 202
	Yellow	44 . 706 . 204	44 . 704 . 204
	Green	44 . 706 . 205	44 . 704 . 205
	Blue	44 . 706 . 206	44 . 704 . 206
	White	44 . 706 . 209	44 . 704 . 209



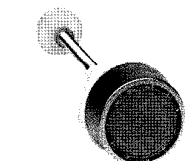
Palm -push actuator			Momentary action
50mm diameter mushroom head button	Black		44 . 707 . 200
	Red		44 . 707 . 202
	Green		44 . 707 . 205



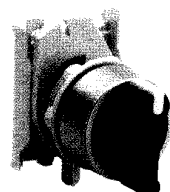
Stay-put actuator		Stay-put action
37mm rotate to release	Red	44 . 711 . 00
37mm rotate to release (EN 418)	Red	44 . 712 . 00
50mm rotate to release	Red	44 . 710 . 00
37mm key release (EN 418)	Red	44 . 713 . 00

Emergency Stop stations - BS EN418	Stay-put action
Assembled unit comprising, plastic enclosure, 37mm rotate to release actuator and 1n.c. contact	44 . 712 . ENG

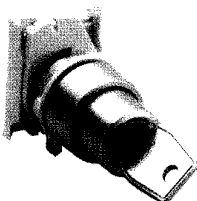
Interlocking actuator		
Momentary operation. For maintained action rotate clockwise.	Black	44 . 742 . 200
	Red	44 . 742 . 202



Adjustable length actuator		
Matching modular pushbutton assembly, fitted with rod for external operation of overload reset buttons or other similar devices within an enclosure.	Red	44 . 709 . 202
	Green	44 . 709 . 205



Hand operated switch		
2-position		
No spring return	Black	44 . 720 . 200
Spring return from right	Black	44 . 722 . 200
3-position		
No spring return	Black	44 . 724 . 200
Spring return from right	Black	44 . 726 . 200
Spring return from left	Black	44 . 727 . 200
Spring return from left and right	Black	44 . 725 . 200



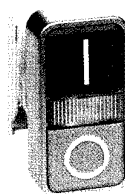
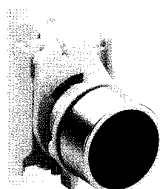
Key operated switch		
Key removal	2-position	
Left	No spring return	44 . 730 . 201
Left and right	No spring return	44 . 730 . 202
Left	Spring return from right	44 . 732 . 201
Key removal	3-position	
Centre	No spring return	44 . 734 . 201
Left and centre	No spring return	44 . 734 . 203
Centre and right	No spring return	44 . 734 . 204
All positions	No spring return	44 . 734 . 205
Centre	Spring return from left and right	44 . 735 . 201
Centre	Spring return from left	44 . 737 . 201
Left and centre	Spring return from left	44 . 737 . 204
Centre	Spring return from right	44 . 736 . 201
Centre and right	Spring return from right	44 . 736 . 203

Spare Key 44 . 919

series 44 Selection Information

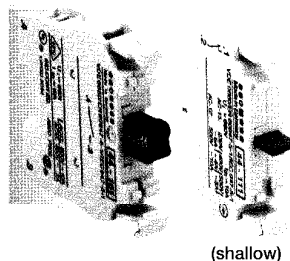
- Illuminated pushbutton and pilot light includes lampholder
- Direct connected or transformer operated pilot light
- Single pole or two-pole contact blocks
- Pilot light transformers available 125V-400V
- Resistor blocks for direct 230V operation
- Diode units for group lamp test

OPERATORS continued



Product description	Colour or type	Order reference	Order reference
Illuminated pushbutton -Includes lampholder			
Order contact blocks, legend plates, text plates and lamps separately -see accessories		Stay-put action	Momentary action
	Red	44 . 747 . 202	44 . 746 . 202
	Yellow	44 . 747 . 204	44 . 746 . 204
	Green	44 . 747 . 205	44 . 746 . 205
	Blue	44 . 747 . 206	44 . 746 . 206
	White	44 . 747 . 209	44 . 746 . 209
Pilot light -Includes lampholder			
Order legend plates, text plates and lamps separately -see accessories		Projecting	Flush
	Red	44 . 750 . 202	44 . 751 . 202
	Yellow	44 . 750 . 204	44 . 751 . 204
	Green	44 . 750 . 205	44 . 751 . 205
	Blue	44 . 750 . 206	44 . 751 . 206
	Clear	44 . 750 . 207	-
	White	-	44 . 751 . 209
Potentiometer drive			
For use with potentiometer shaft 6mm Ø, 32mm long.	Black		44 . 744 . 20
Dual On/Off pushbutton assembly			
With contact block carrier			44 . 771 . 200
With contact block carrier and lampholder			44 . 771 . 201

ATTACHMENTS



(shallow)



Modular switching element		Front mounting	Base mounting- requires adaptor
1 n.o. (shallow)		44 . 121 . 00	44 . 221 . 00
1 n.c. (shallow)		44 . 111 . 00	44 . 211 . 00
1 n.o. + 1 n.c.		44 . 131 . 00	-
1 n.o. + 1 n.c. - not suitable for Emergency Stop		44 . 141 . 00	-
Pilot light transformers - use two blind elements (page 7)			
Secondary	Primary		
6V	125V		44 . 970
6V	230V		44 . 971
6V	400V		44 . 972
24V	125V		44 . 975
24V	230V		44 . 976
24V	400V		44 . 977
Blind element - for lamp transformers. (Two required)			44 . 940 . 00
Resistor unit Reduces voltage from 230V to 130V for filament lamps.			44 . 614 . 11
Diode unit Two diodes for common lamp test facility.			44 . 612 . 2
Resistor-diode unit Combined lamp dropper and test unit.			44 . 614 . 21

- Filament, Neon and LED lamps
- Spare lamp holders
- Pushbutton Adaptors
- Pushbutton guards and caps

ACCESSORIES

Product description	Colour or type		Order reference
Ba9s Bulbs			
Filament	6V	1,2W	44 . 952 . 06
	24V	1,2W	44 . 952 . 24
	60V	1,2W	44 . 952 . 60
	130V	2,4W	44 . 925 . 130
Neon	230V a.c.		44 . 953 . 230
Multi-LED	24V d.c.	Red	44 . 954 . 22
		Yellow	44 . 954 . 24
		Green	44 . 954 . 25

36 x 60mm



36 x 36mm

Flush mounting adaptors - Require Ø 30.5mm hole Note that rear-of-panel depth increases by 3mm

Used with pilot light and potentiometer drive*	Adaptor kit -	36 x 36mm	44 . 946 . 01
		36 x 60mm	44 . 946 . 02
Used with illuminated pushbutton, hand and key operated switch, interlocking and adjustable actuator*	Adaptor kit -	36 x 36mm	44 . 946 . 03
		36 x 60mm	44 . 946 . 04
* Actuators and contact blocks, etc., are also required			
Self adhesive legend plate	Aluminium		44 . 946 . 1
27 x 18mm (blank)	Black		44 . 946 . 0
Fixing screw for switch actuators (stops rotation)			44 . 946 . 09

Blanking cap	Grey	44 . 914 . 00
---------------------	------	---------------

Protective cap		
For standard actuators	Transparent	44 . 917 . 07
For key cylinder	Black	44 . 921 . 00

Guards		
Padlock guard to prevent unauthorised access		44 . 923
37mm Emergency stop guard (not padlockable)		44 . 927 . 0

Reducing ring for Ø 30.5mm hole	44 . 925 . 00
Assembly tool - for lamp and lens removal	44 . 935 . 00

Spares

Spare lamp holder for Ba9 lamps		
Front mounting		44 . 524 . 00
Base mounting		44 . 525 . 00

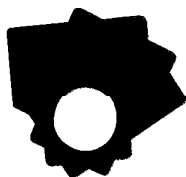
Adaptors		
Spare front mounting contact block carrier		44 . 900 . 00
Base mounting contact block carrier		44 . 905 . 00

Actuator bezels		
Spare front bezel	Matt chrome	44 . 967 . 2
Extended bezel. To prevent accidental operation.		
	Matt chrome	44 . 968 . 2

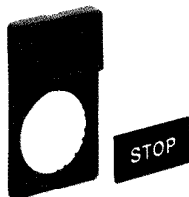
series 44 Selection Information

- Blank or printed legend plates available
- Emergency Stop yellow disc available in 60mm or 45mm dia
- Selection of plastic or sheet steel enclosures

ACCESSORIES continued



44 . 945 . SM



44 . 945 . 00

Product description	Colour or type	Order reference
---------------------	----------------	-----------------

Legend plate blanks

Non engravable	Small	44 . 945 . SM
	Medium	44 . 945 . MD
	Large	44 . 945 . LG

Engravable Aluminium - Includes carrier and label blank

44 . 945 . 00

Text suffix table

○	E 01	Forward	E 14	Set up	E 22
I	E 02	Reverse	E 15	Raise	E 23
○ I	E 03	Right	E 16	Lower	E 24
I ○ II	E 04	Left	E 17	Hand	E 25
Off	E 10	Halt	E 18	Stop	E 26
On	E 11	Close	E 19	Start	E 27
Up	E 12	Fast	E 20	Hand/Auto	E 28
Down	E 13	Slow	E 21	Off/On	E 29

Legend plate order example: If required add suffix

to legend plate reference i.e. Black legend plate printed Off = 44 . 945 . SM E10

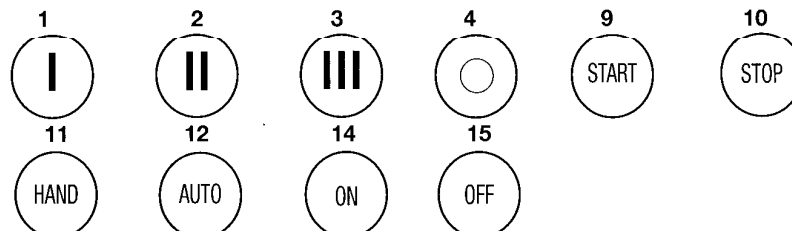
Black legend plate engraved Off = 44 . 945 . 00 E10

Yellow disc, printed Emergency Stop -	60mm Ø	44 . 950 . 02
	45mm Ø	44 . 951 . 02

Text plates for illuminated pushbuttons

Text plate	Blank	44 . 962 . 9
	Printed	44 . 962 . 9T

Text suffix table



Ordering example: Add suffix reference 44 . 962 . 9T 1

ENCLOSURES

Plastic enclosures (Shallow modular switching element only)

For Series 44 pushbuttons, pilot lights, selector switches. Suitable 75mm deep steel enclosures are listed below. Protection to IP65 (Front mount contact blocks)

Single station	01 . 001001 . 301
Single station - Yellow lid	01 . 001001 . 302
Two station	01 . 001002 . 301

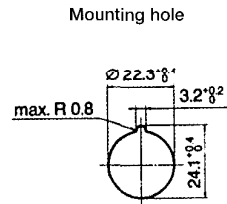
Steel enclosures

Protection to IP56	Order reference	Order reference suffix - enclosure depth		
		55mm deep	75mm deep	92mm deep
Square format				
Single station	01 001001	002	200	100
Horizontal or vertical format				
Two station	01 001002	002	200	100
Three station	01 001003	-	200	100
Four station	01 001004	-	200	100
Six station	01 001006	-	200	100

Ordering example: Two station, 75mm deep = 01 001002 200

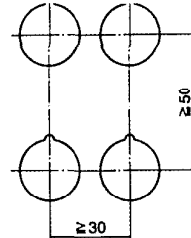
OPERATORS

Mounting dimensions



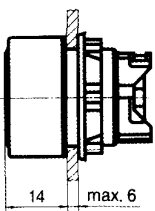
For plain Ø 22.5mm holes the 'pip' can be removed from 44 series operators

Minimum mounting distances

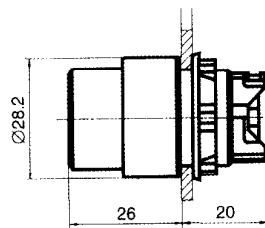


Standard/Extended actuators

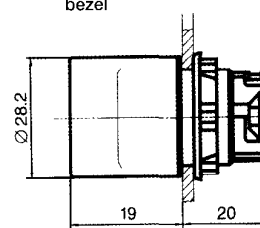
Standard



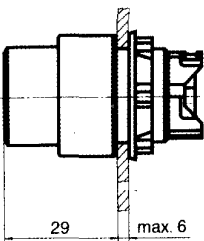
Extended



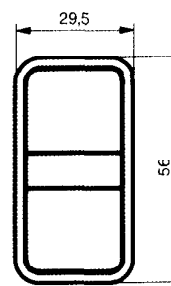
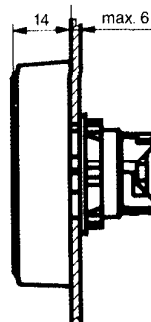
With extended bezel



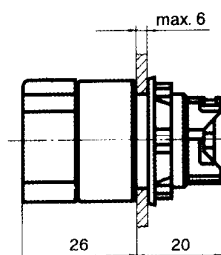
Interlocking actuator



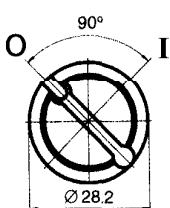
Dual on/off actuator



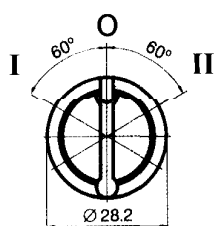
Hand operated switch



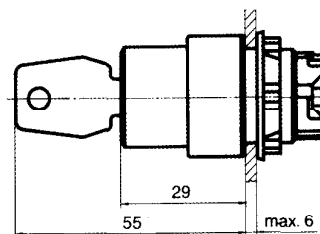
Two position



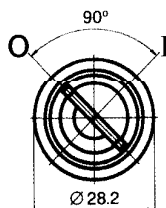
Three position



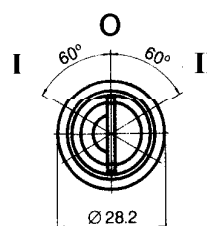
Key operated switch



Two position



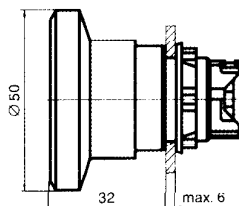
Three position



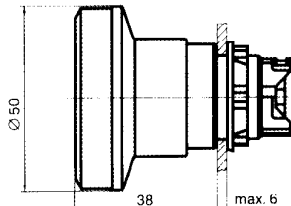
series 44 *Dimensions (mm)*

OPERATORS continued

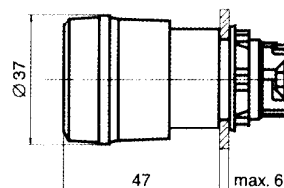
50mm Palm-push actuator



50mm Stay-put actuator



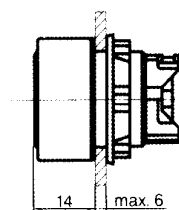
37mm Stay-put actuator



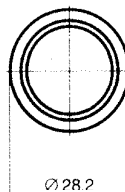
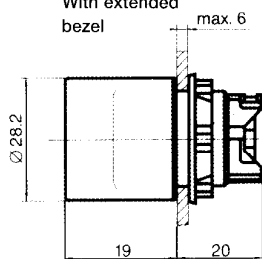
* Key release
72mm projection

Illuminated pushbuttons

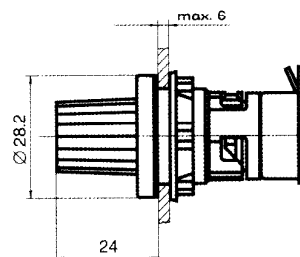
Standard



With extended
bezel

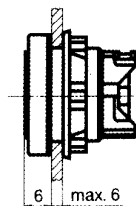


Potentiometer drive

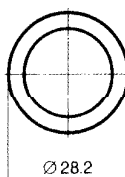
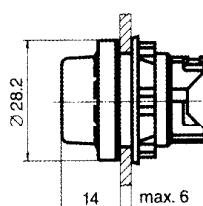


Pilot lights

Standard lens



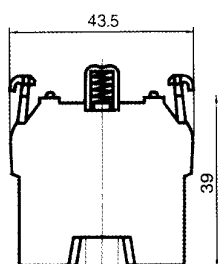
Projecting lens



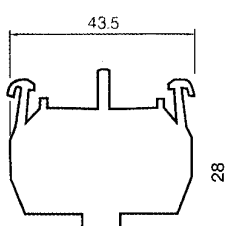
ATTACHMENTS

Modular switching element

Front mounting

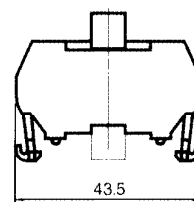


Front mounting

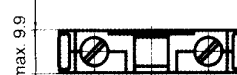


Single pole (shallow)

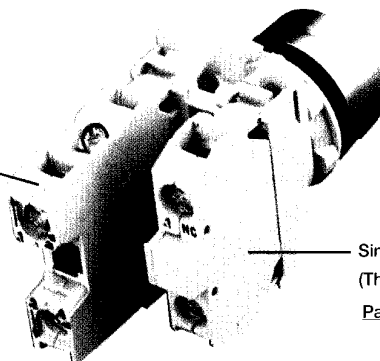
Base mounting



Double pole



Double pole element
(Six maximum)
Panel depth 64mm

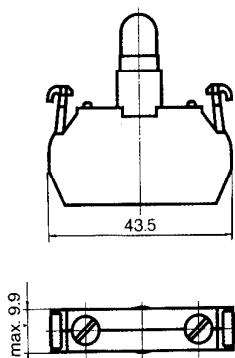


Single pole element
(Three maximum)
Panel depth 53mm

ATTACHMENTS continued

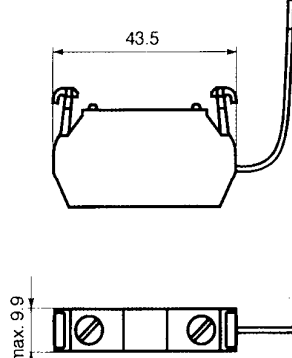
Lamp elements

Front mounting

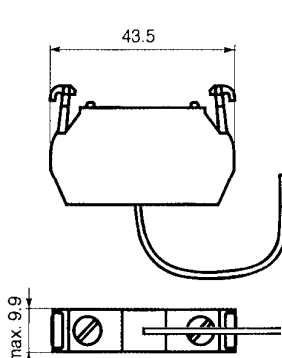


Resistor and diode units

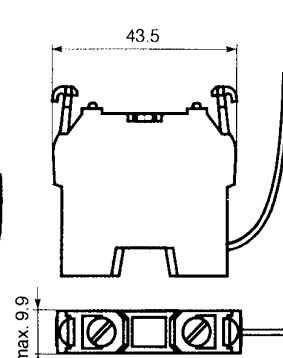
Resistor unit



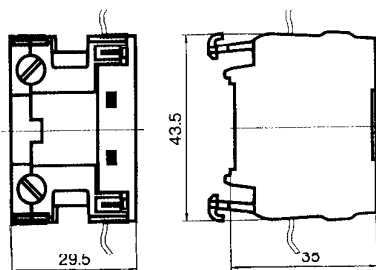
Diode unit



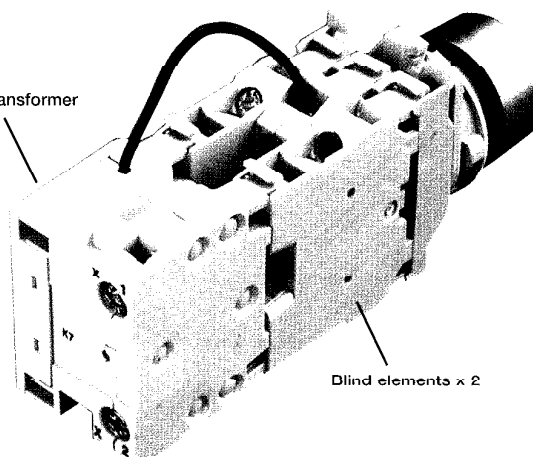
Resistor-diode unit



Lamp transformers



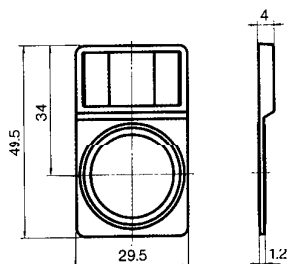
Lamp transformer



Panel depth 100mm

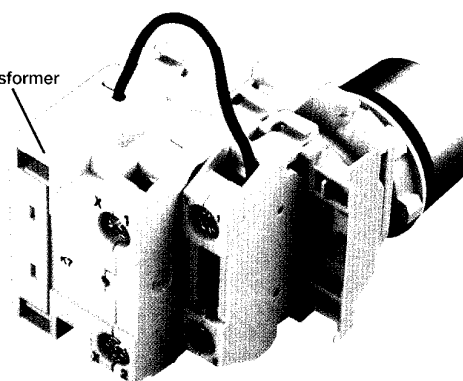
Engravable Legend plate

(44.045.00)

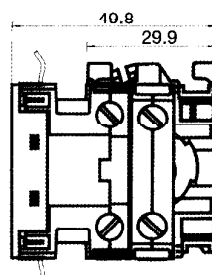


Note: Remove operator gasket before fitting legend plate

Lamp transformer



Panel depth 61mm



Rear view

series 44 *Dimensions (mm)*

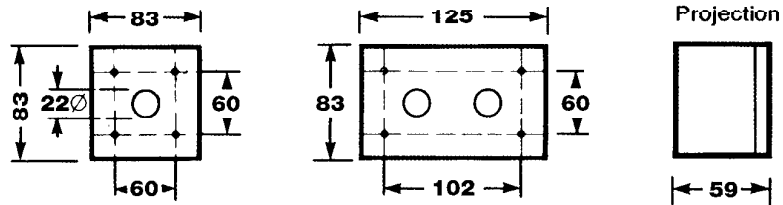
ENCLOSURES

Plastic enclosures

Protection to IP65

All fixing holes: 5mm

Knockout conduit entries: 20mm



Steel enclosures

Protection to IP56

All fixing holes: 5mm

Knockout conduit entries: 20mm

