



Bulletin 800E Control and Indicating Devices ø 22.5 mm

- Round and square front elements
- Protection class IP66
- Internationally rated operators

Pages
11-5 ... 11-128



Bulletin 800Z Zero-Force™ Touch Buttons

- Universal range according IEC and NEMA
Industrial range according IEC and NEMA
- Protection class IP66
- Worldwide approval, ergonomically
designed sensor touch buttons

Pages
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Bulletin 855T Control Tower™ Stack Lights

- Light and sound modules
- Horizontal or vertical mounting
- Sound modules IP53 / NEMA Type 1
- Light modules IP54 / NEMA Type 12

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Product Overview



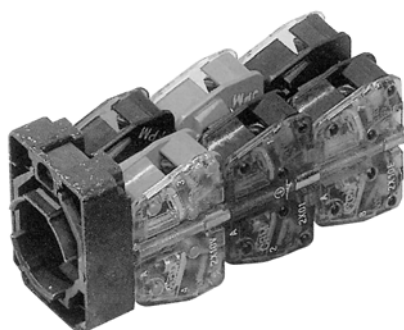
*800EP Front element round (plastic)
plastic with black plastic front ring*

800EP/EQ/ES Front Elements (Plastic) IP65/66

- Protection class IP65/66 NEMA Type 4/13, NEMA Type 4/4X/13
- Utilization with metal or plastic latch



*800EQ Front element square (plastic)
plastic operator
with black plastic front ring*



2 elements per level

Metal Latch

max. 2 Across and 3 levels (6 contacts)

- Contact blocks screw down
- Colour coded contact blocks
- One-hand assembly and disassembly of latch



3 elements per level

Plastic Latch

max. 3 Across and 2 levels (6 contacts)

- Contact blocks snap-on
- Colour coded contact blocks
- One-hand assembly and disassembly of latch



*800ES Front element round (plastic)
plastic operator with
shiny metal front ring*

800EM/EB Front Elements (Metal) IP65/66

- Protection class IP65/66, NEMA Type 4/13
- Utilization with metal or plastic latch



*800EM Front element round (metal)
metal operator with
shiny metal front ring*

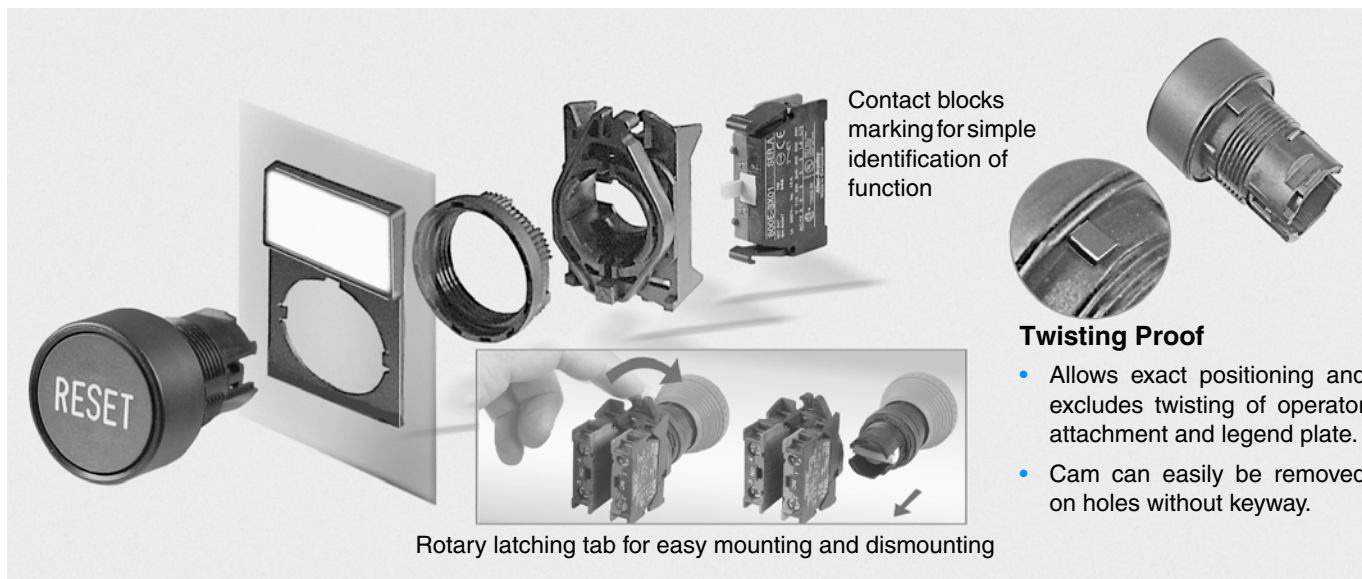
Low Mounting Costs

Allen-Bradley push buttons are designed in such a way, that they can easily be assembled and disassembled.



One-man Assembly

- Assembly by just one person even if you can not reach around the panel board



Contact blocks marking for simple identification of function

Twisting Proof

- Allows exact positioning and excludes twisting of operator attachment and legend plate.
- Cam can easily be removed on holes without keyway.

Rotary latching tab for easy mounting and dismounting

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Simple Function Adjustments

- The rear elements can be quickly changed with a screw driver

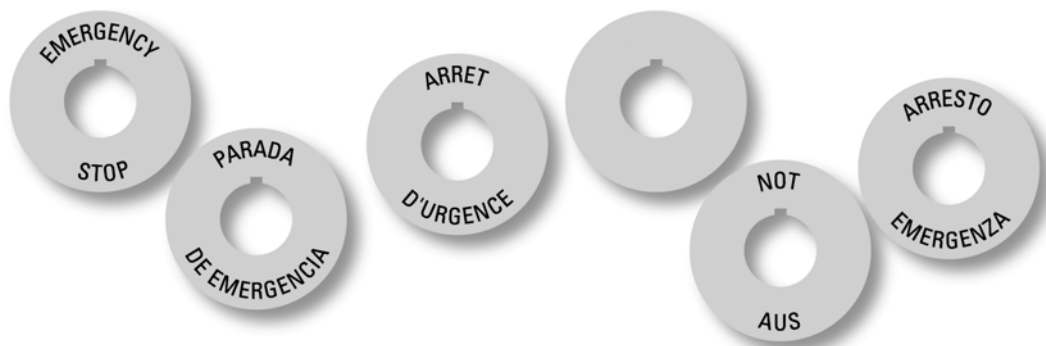
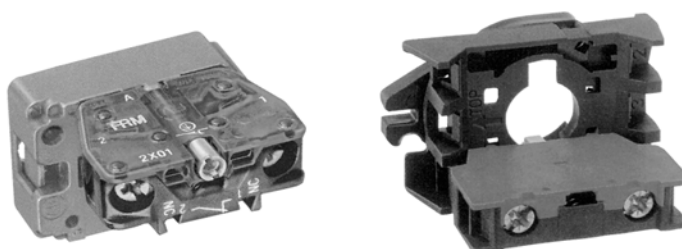


Optimal Protection for Front Elements

- IP 66 type protection defends against water damage and dust
- Functional in wet and dusty environments

EMERGENCY STOP

Allen-Bradley's EMERGENCY STOP operators have been tested and examined by a european testing house according to EN-418 and IEC 60947-5-5. Allen-Bradley's EMERGENCY STOP operators comply with american NEMA standard ICS-5-5. The EMERGENCY STOP operators are equipped with a positive locking action (Teaselproof).



Bulletin 800E SMCB

Rockwell Automation now offers improved E-Stop reliability for critical process control applications with new Allen-Bradley Self Monitoring™ Contact Blocks (SMCB). For use with 800E push buttons, the patent pending Self Monitoring Contact Blocks monitor whether or not they are properly installed on the E-Stop operator.

Complete Devices - Round

Pages 11-8 ... 11-15

Shows an overview of the complete devices

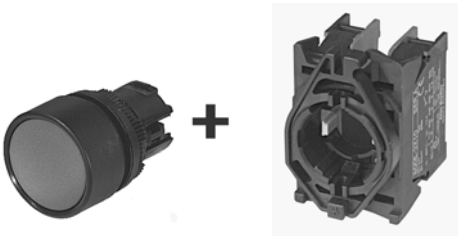


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Front Elements - Round

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Shows an overview of the front elements
and the matching contact and lamp elements

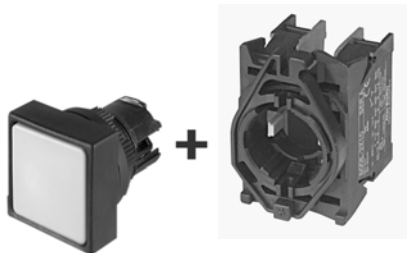


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Front Elements - Square

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Shows an overview of the front elements
and the matching contact and lamp elements



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Individual Components

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Shows a selection of individual components.
The figures show an overview of individual components.



Individual Components - Round

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Dimensions

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Non-illuminated Push Buttons (Plastic Operator)

- Colour of legend text: white and black
- Legend colour cap supplied loose for customer installation



Contact Block	Colour	Text	Momentary Flush			
			Black Plastic Front Ring		Shiny Metal Front Ring	
			Cat. No.	PQ	Cat. No.	PQ
	green green green	I START	800EP-F33LX10 800EP-F306W3LX10 800EP-F301W3LX10	1	800ES-F33LX10 800ES-F306W3LX10 800ES-F301W3LX10	1
	white white white	I START	800EP-F13LX10 800EP-F106B3LX10 800EP-F101B3LX10	1	800ES-F13LX10 800ES-F106B3LX10 800ES-F101B3LX10	1
	red red red	O STOP	800EP-F43LX01 800EP-F405W3LX01 800EP-F402W3LX01	1	800ES-F43LX01 800ES-F405W3LX01 800ES-F402W3LX01	1
	red		800EP-F43LX10	1	800ES-F43LX10	1
	black black black	O STOP	800EP-F23LX01 800EP-F205W3LX01 800EP-F202W3LX01	1	800ES-F23LX01 800ES-F205W3LX01 800ES-F202W3LX01	1
	black		800EP-F23LX10	1	800ES-F23LX10	1
	yellow		800EP-F53LX10	1	800ES-F53LX10	1
	blue blue blue	R RESET	800EP-F63LX10 800EP-F611W3LX10 800EP-F607W3LX10	1	800ES-F63LX10 800ES-F611W3LX10 800ES-F607W3LX10	1

Contact Block	Colour	Text	Momentary, Raised			
			Black Plastic Front Ring		Shiny Metal Front Ring	
			Cat. No.	PQ	Cat. No.	PQ
	red red red	O STOP	800EP-E43LX01 800EP-E405W3LX01 800EP-E402W3LX01	1	800ES-E43LX01 800ES-E405W3LX01 800ES-E402W3LX01	1

PQ = Package Quantity

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Illuminated Push Buttons (Plastic Operator)

- Please order incandescent lamp or LED separately



Contact Block and Lamp Element	Colour	Momentary Flush			
		Black Plastic Front Ring		Shiny Metal Front Ring	
		Cat. No.	PQ	Cat. No.	PQ
max. 250 V	green	800EP-LF33DL0X10	1	800ES-LF33DL0X10	1
max. 250 V	red	800EP-LF43DL0X01	1	800ES-LF43DL0X01	1
max. 250 V	red	800EP-LF43DL0X10	1	800ES-LF43DL0X10	1
max. 250 V	yellow	800EP-LF53DL0X10	1	800ES-LF53DL0X10	1
max. 250 V	blue	800EP-LF63DL0X10	1	800ES-LF63DL0X10	1
max. 250 V	transparent	800EP-LF73DL0X10	1	800ES-LF73DL0X10	1
240 VAC ❶	green	800EP-LF33RL7X10	1	800ES-LF33RL7X10	1
240 VAC ❶	red	800EP-LF43RL7X01	1	800ES-LF43RL7X01	1

Contact Block and Lamp Element	Colour	Maintained, Flush			
		Black Plastic Front Ring		Shiny Metal Front Ring	
		Cat. No.	PQ	Cat. No.	PQ
max. 250V	green	800EP-LFA33DL0X10	1	800ES-LFA33DL0X10	1
max. 250V	red	800EP-LFA43DL0X01	1	800ES-LFA43DL0X01	1
max. 250V	red	800EP-LFA43DL0X10	1	800ES-LFA43DL0X10	1
max. 250V	yellow	800EP-LFA53DL0X10	1	800ES-LFA53DL0X10	1
max. 250V	blue	800EP-LFA63DL0X10	1	800ES-LFA63DL0X10	1
max. 250V	transparent	800EP-LFA73DL0X10	1	800ES-LFA73DL0X10	1
max. 250V	transparent	800EP-LFA73DL0X20	1	—	

- ❶ The 240 VAC lamp module halves the voltage and allows the usage of a 130 VAC incandescent lamp. Lamp is included.
 Usage with LEDs not possible.

PQ = Package Quantity

Incandescent Lights, LED - Page 11-82
 Contact Blocks - Page 11-73
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eco-Pilot Lights (Plastic Operator)

- Please order incandescent lamp or LED separately



Direct Wire	Colour	Standard		Optically Enhanced	
		Cat. No.	PQ	Cat. No.	PQ
max. 250V	green	800EP-PM3D0	1	800EP-PLM3D0	1
max. 250V	red	800EP-PM4D0	1	800EP-PLM4D0	1
max. 250V	yellow	800EP-PM5D0	1	800EP-PLM5D0	1
max. 250V	blue	800EP-PM6D0	1	800EP-PLM6D0	1
max. 250V	transparent	800EP-PM7D0	1	800EP-PLM7D0	1
Direct Wire	Colour	Cat. No.	PQ	Cat. No.	PQ
max. 250V	green	800EP-PM3D0-BP	10	800EP-PLM3D0-BP	10
max. 250V	red	800EP-PM4D0-BP	10	800EP-PLM4D0-BP	10
max. 250V	yellow	800EP-PM5D0-BP	10	800EP-PLM5D0-BP	10
max. 250V	blue	800EP-PM6D0-BP	10	800EP-PLM6D0-BP	10
max. 250V	transparent	800EP-PM7D0-BP	10	800EP-PLM7D0-BP	10

Pilot Lights (Plastic Operator)

- Please order incandescent lamp or LED separately



Lamp Element	Colour	Standard	
		Cat. No.	PQ
max. 250 V	green	800EP-P33DL0	1
240 VAC	green	800EP-P33RL7	1
max. 250 V	red	800EP-P43DL0	1
240 VAC	red	800EP-P43RL7	1
max. 250 V	yellow	800EP-P53DL0	1
240 VAC	yellow	800EP-P53RL7	1
max. 250 V	blue	800EP-P63DL0	1
240 VAC	blue	800EP-P63RL7	1
max. 250 V	transparent	800EP-P73DL0	1
240 VAC	transparent	800EP-P73RL7	1

Lamp Element	Colour	Text	Standard Legend Text	
			Cat. No.	PQ
max. 250 V	green	RUN	800EP-P322B3DL0	1
240 VAC	green	RUN	800EP-P322B3RL7	1
max. 250 V	red	TRIP	800EP-P425B3DL0	1
240 VAC	red	TRIP	800EP-P425B3RL7	1
max. 250 V	yellow	POWER ON	800EP-P526B3DL0	1
max. 250 V	yellow	POWER ON	800EP-P526B3RL22	1

The 240 VAC lamp module halves the voltage and allows the usage of a 130 VAC incandescent lamp.
Usage with LEDs not possible

PQ = Package Quantity

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Non-Illuminated Selector Switch Operators (Plastic Operator)



Contact Block	Switch Angles	Colour	Maintained			
			Black Plastic Front Ring		Shiny Metal Front Ring	
			Cat. No.	PQ	Cat. No.	PQ
	90°	black	800EP-SN223LX10	1	800ES-SN223LX10	1
	60°	black	800EP-SM223LX10	1	800ES-SM223LX10	1
	60°	black	—		800ES-SM223LX11	1
	2 x 60°	black	800EP-SM323LX20	1	800ES-SM323LX20	1
	2 x 60°	black	—		800ES-SL323LX20	1

Function table for non-Illuminated selector switch operators, 2 positions see page 11-28.
Function table for non-Illuminated selector switch operators, 3 positions see page 11-30.

Key Operated Selector Switch Operators “Ronis 455” (Plastic Operator)



Contact Block	Switch Angles	Colour	Control Knob Position	Ronis 455 Lock	
				Black Plastic Front Ring	
				Cat. No.	PQ
	90°	black		800EP-KN2R1R3LX10	1
	2 x 60°	black		800EP-KM3R4R3LX20	1

Function table for non-Illuminated selector switch operators, 2 positions see page 11-28.
Function table for non-Illuminated selector switch operators, 3 positions see page 11-30.
Key operated selector switch operators IP66, NEMA Type 4/13.

PQ = Package Quantity

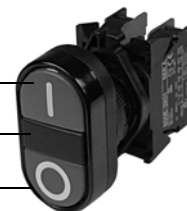
Non-Illuminated Multi-Function Operators (Plastic Operators)

Position

C

B

A



Position C			Position B			Position A			Non-Illuminated Black Front Ring	
Contact	Cap	Text	Contact	Cap	Text	Contact	Cap	Text	Cat. No.	PQ
	green		Blank cap				red	O	800EP-U2B213LX11	1
	green		Blank cap				red raised	O	800EP-U2C213LX11	1
	green			red raised	O		green		800EP-U3A113LX21	1
	white		Blank cap				black	O	800EP-U2E213LX11	1
	white		Blank cap				black raised	O	800EP-U2F213LX11	1
	white			black raised	O		black		800EP-U3D113LX21	1

Illuminated Multi-Function Operators (Plastic Operators)

- Please order incandescent lamp or LED separately

Position

C

B

A



Position C			Position B		Position A			Illuminated	
								Black Front Ring	
Contact	Cap	Text	Lamp Element - Supply Voltage		Contact	Cap	Text	Cat. No.	PQ
	green		 max. 250 V, 2 W			red	O	800EP-LU2B213DL0X11	1
	green		 240 VAC ❶			red	O	800EP-LU2B213RL7X11	1
	green		 max. 250 V, 2 W			red raised	O	800EP-LU2C213DL0X11	1
	white		 max. 250 V, 2 W			black	O	800EP-LU2E213DL0X11	1
	white		 240 VAC ❶			black	O	800EP-LU2E213RL7X11	1
	white		 max. 250 V, 2 W			black raised	O	800EP-LU2F213DL0X11	1

Multifunction operators with sealing cap IP66, Cat. No. see Accessories 11-78, without sealing cap IP40.

- ❶ The 240 VAC lamp module halves the voltage and allows the usage of a 130 VAC incandescent lamp. Incandescent lamp is included.
Usage with LEDs possible

PQ = Package Quantity

Incandescent Lights, LED - Page 11-82

Legend Plates - Page 11-101

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EMERGENCY STOP Operators

Mushroom Ø 30 mm



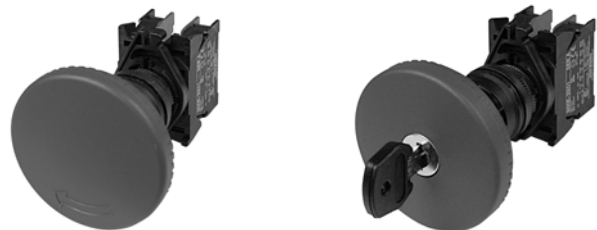
Contact Block	Colour	Twist to Release			Key Release (Ronis 455)		
		Cat. No.	PQ		Cat. No.	PQ	
No contacts (only operator with mounting ring nut)	red	800EP-MTS34	1	◆	800EP-MKR34R	1	◆
	red	800EP-MTS343LX01	1	◆	800EP-MKR34R3LX01	1	◆
 	red	800EP-MTS343LX11	1	◆	800EP-MKR34R3LX11	1	◆
 	red	800EP-MTS343LX02	1	◆	800EP-MKR34R3LX02	1	◆

Mushroom Ø 40 mm



Contact Block	Colour	Twist to Release			Key Release (Ronis 455)		
		Cat. No.	PQ		Cat. No.	PQ	
No contacts (only operator with mounting ring nut)	red	800EP-MTS44	1	◆	800EP-MKR44R	1	◆
	red	800EP-MTS443LX01	1	◆	800EP-MKR44R3LX01	1	◆
 	red	800EP-MTS443LX11	1	◆	800EP-MKR44R3LX11	1	◆
 	red	800EP-MTS443LX02	1	◆	800EP-MKR44R3LX02	1	◆

Mushroom Ø 60 mm



Contact Block	Colour	Twist to Release			Key Release (Ronis 455)		
		Cat. No.	PQ		Cat. No.	PQ	
No contacts (only operator with mounting ring nut)	red	800EP-MTS64	1	◆	800EP-MKR64R	1	◆
	red	800EP-MTS643LX01	1	◆	800EP-MKR64R3LX01	1	◆
 	red	800EP-MTS643LX11	1	◆	800EP-MKR64R3LX11	1	◆
 	red	800EP-MTS643LX02	1	◆	800EP-MKR64R3LX02	1	◆

Options	Cat. No. Suffix	Description	Ordering Example
◆ Metal Operator - with shiny metal front ring	800EM- ...	The Bulletin 800E push buttons are also available in metal. Please replace the Cat. No. as follows: Shiny metal front ring, 800EM- ... instead of 800EP- ...	800EM-MTS34

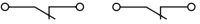
EMERGENCY STOP with lock release Ronis 3825 or Zadi on request.

PQ = Package Quantity

Contact Blocks - Page 11-73
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EMERGENCY STOP Operators in Enclosure for Base Mounting
In Yellow Enclosure for Base Mounting
Mushroom Ø 40 mm
Metric Screw-down



Contact Block	Colour	Twist to Release		Key Release (Ronis 455)	
		Cat. No.	PQ	Cat. No.	PQ
	red	800E-1PYM5A1	1	800E-1PYM6RA1	1
 	red	800E-1PYM5A2	1	800E-1PYM6RA2	1
	red	800E-1PYM5A3	1	800E-1PYM6RA3	1

In Yellow Enclosure for Base Mounting
Mushroom Ø 40 mm
Metric Screw-down



Contact Block	Colour	Twist to Release		Key Release (Ronis 455)	
		Cat. No.	PQ	Cat. No.	PQ
	red	800E-1MYM5A1	1	800E-1MYM6RA1	1
 	red	800E-1MYM5A2	1	800E-1MYM6RA2	1
	red	800E-1MYM5A3	1	800E-1MYM6RA3	1

Enclosure design with Ronis 3825 or Zadi lock on request.

Self Monitoring™ Contact Blocks



Contact Block	Plastic 3XLatch w/SMCB	
	Cat. No.	PQ
2 interlocked contact blocks	800E-3LX01S	1

PQ = Package Quantity

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Potentiometer with Resistor Element

- Protection classIP65 NEMA 4/4X, 13
- For assembly by the user
- Graduation 0...10, 300° or  (double-sided printed)
- For potentiometers: 6...6.4 mm shaft diameter
22.5...50 mm shaft length



Cat. No. 800EP-POT1
Potentiometer

Complete Potentiometer

Potentiometer		
Resistor Element	Cat. No.	PQ
Front element without resistor element	800EP-POT	1
150 Ω	800EP-POT1	
500 Ω	800EP-POT2	
1 000 Ω	800EP-POT3	
2 500 Ω	800EP-POT4	
5 000 Ω	800EP-POT5	
10 000 Ω	800EP-POT6	

Specifications for Resistor Elements

Operating Voltage	300 VAC or 100 VDC max.
Power	2 W max. 0.2 A
Temperature [°C]	-25 ... 55 Operating temperature below 0 °C only possible, if there is no humidity
Approval	UL listed, CSA, CE

Use potentiometer front element only with potentiometer Type J.

PQ = Package Quantity

Legend Plates - Page 11-101
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Non-Illuminated Momentary Push Buttons, Maintained



Colour	Flush						Raised						With Raised Front Ring					
	Black Plastic Front Ring			Shiny Metal Front Ring			Black Plastic Front Ring			Shiny Metal Front Ring			Black Plastic Front Ring			Shiny Metal Front Ring		
	Cat. No.	PQ		Cat. No.	PQ		Cat. No.	PQ		Cat. No.	PQ		Cat. No.	PQ		Cat. No.	PQ	
white	800EP-F1	☆	◆	800ES-F1	☆	◆	800EP-E1	☆	◆	800ES-E1	☆	◆	800EP-G1	☆	◆	800ES-G1	☆	◆
black	800EP-F2	☆	◆	800ES-F2	☆	◆	800EP-E2	☆	◆	800ES-E2	☆	◆	800EP-G2	☆	◆	800ES-G2	☆	◆
green	800EP-F3	☆	◆	800ES-F3	☆	◆	800EP-E3	☆	◆	800ES-E3	☆	◆	800EP-G3	☆	◆	800ES-G3	☆	◆
red	800EP-F4	☆	◆	800ES-F4	☆	◆	800EP-E4	☆	◆	800ES-E4	☆	◆	800EP-G4	☆	◆	800ES-G4	☆	◆
yellow	800EP-F5	☆	◆	800ES-F5	☆	◆	800EP-E5	☆	◆	800ES-E5	☆	◆	800EP-G5	☆	◆	800ES-G5	☆	◆
blue	800EP-F6	☆	◆	800ES-F6	☆	◆	800EP-E6	☆	◆	800ES-E6	☆	◆	800EP-G6	☆	◆	800ES-G6	☆	◆
no cap	800EP-F9	☆	◆	800ES-F9	☆	◆	800EP-E9			800ES-E9			800EP-G9	☆	◆	800ES-G9	☆	◆

Non-Illuminated Momentary Push Buttons with Legend Text



Colour	Text	Flush, with Legend Text						Raised, with Legend Text					
		Black Plastic Front Ring			Shiny Metal Front Ring			Black Plastic Front Ring			Shiny Metal Front Ring		
		Cat. No.	PQ		Cat. No.	PQ		Cat. No.	PQ		Cat. No.	PQ	
green		800EP-F306W	☆	◆	800ES-F306W	☆	◆	—			—		
white		800EP-F106B			800ES-F106B			—			—		
red	O	800EP-F405W	☆	◆	800ES-F405W	☆	◆	800EP-E405W	1	◆	800ES-E405W	1	◆
black	O	800EP-F205W			800ES-F205W			—			—		
green	START	800EP-F301W	☆	◆	800ES-F301W	☆	◆	—			—		
white	START	800EP-F101B			800ES-F101B			—			—		
red	STOP	800EP-F402W	☆	◆	800ES-F402W	☆	◆	800EP-E402W	1	◆	800ES-E402W	1	◆
black	STOP	800EP-F202W			800ES-F202W			—			—		
green	ON	800EP-F303W		1	800ES-F303W		1	—			—		
white	ON	800EP-F103B		◆	800ES-F103B		◆	—			—		
red	OFF	800EP-F404W		1	800ES-F404W		1	800EP-E404W		1	800ES-E404W		1
black	OFF	800EP-F204W		◆	800ES-F204W		◆	—			—		
white	Æ	800EP-F108B		1	800ES-F108B		1	—			—		
black	Æ	800EP-F208W		◆	800ES-F208W		◆	—			—		

PQ = Package Quantity

Colour Caps - Page 11-85

Accessories - Page 11-78

Specifications - Page 11-116

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Non-Illuminated Momentary Push Buttons, Maintained



Colour	Flush			
	Black Plastic Front Ring		Shiny Metal Front Ring	
	Cat. No.	PQ	Cat. No.	PQ
white	800EP-FA1	☆ ◆	800ES-FA1	☆ ◆
black	800EP-FA2	☆ ◆	800ES-FA2	☆ ◆
green	800EP-FA3	☆ ◆	800ES-FA3	☆ ◆
red	800EP-FA4	☆ ◆	800ES-FA4	☆ ◆
yellow	800EP-FA5	☆ ◆	800ES-FA5	☆ ◆
blue	800EP-FA6	☆ ◆	800ES-FA6	☆ ◆
no cap	800EP-FA9	☆ ◆	800ES-FA9	☆ ◆

Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
		Latch		800E-A2L	10	800E-A3L	10

Contact Blocks

		Standard		800E-2X10	10	800E-3X10	10
				800E-2X01	10	800E-3X01	10
		Low voltage		800E-2X10V	10	800E-3X10V	10
				800E-2X01V	10	800E-3X01V	10

Contact Blocks including Latches

		Standard		800E-2LX10	1	800E-3LX10	1
				800E-2LX01	1	800E-3LX01	1
				800E-2LX11	1	800E-3LX11	1
				800E-2LX20	1	800E-3LX20	1
				800E-2LX02	1	800E-3LX02	1

Options	Cat. No. Suffix	Description	Ordering Example
☆ Packaging quantity	Blank	≧ Single package (1 piece standard delivery)	800EP-F1
	-BP	≧ Package of 10 pieces	800EP-F1-BP
◆ Metal Operator		The Bulletin 800E push buttons are also available in metal. Please replace the Cat. No. as follows:	
- with shiny metal front ring	800EM- ...	Shiny metal front ring, 800EM- ... instead of 800ES- ...	800EM-F1

PQ = Package Quantity

Contact Blocks - Page 11-73
 Accessories - Page 11-78
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Illuminated Momentary Push Buttons



Colour	Flush						Raised						With Raised Front Ring		
	Black Plastic Front Ring			Shiny Metal Front Ring			Black Plastic Front Ring			Shiny Metal Front Ring			Shiny Metal Front Ring		
	Cat. No.	PQ		Cat. No.	PQ		Cat. No.	PQ		Cat. No.	PQ		Cat. No.	PQ	
green	800EP-LF3	☆	◆	800ES-LF3	☆	◆	800EP-LE3	☆	◆	800ES-LE3	☆	◆	800ES-LG3	☆	◆
red	800EP-LF4	☆	◆	800ES-LF4	☆	◆	800EP-LE4	☆	◆	800ES-LE4	☆	◆	800ES-LG4	☆	◆
yellow	800EP-LF5	☆	◆	800ES-LF5	☆	◆	800EP-LE5	☆	◆	800ES-LE5	☆	◆	800ES-LG5	☆	◆
blue	800EP-LF6	☆	◆	800ES-LF6	☆	◆	800EP-LE6	☆	◆	800ES-LE6	☆	◆	800ES-LG6	☆	◆
transparent	800EP-LF7	☆	◆	800ES-LF7	☆	◆	800EP-LE7	☆	◆	800ES-LE7	☆	◆	800ES-LG7	☆	◆
No cap	800EP-LF9	☆	◆	800ES-LF9	☆	◆	800EP-LE9	☆	◆	800ES-LE9	☆	◆	800ES-LG9	☆	◆

Illuminated Momentary Push Buttons, with Legend Text



Colour	Text	Flush, with Legend Text						Raised, with Legend Text					
		Black Plastic Front Ring			Shiny Metal Front Ring			Black Plastic Front Ring			Shiny Metal Front Ring		
		Cat. No.	PQ		Cat. No.	PQ		Cat. No.	PQ		Cat. No.	PQ	
green	—	800EP-LF306B	—	◆	800ES-LF306B	—	◆	—	—	—	—	—	—
red	O	800EP-LF405B	—	◆	800ES-LF405B	—	◆	800EP-LE405B	—	◆	800ES-LE405B	—	◆
green	START	800EP-LF301B	—	◆	800ES-LF301B	—	◆	—	—	—	—	—	—
red	STOP	800EP-LF402B	1	◆	800ES-LF402B	1	◆	800EP-LE402B	1	◆	800ES-LE402B	1	◆
green	ON	800EP-LF303B	—	◆	800ES-LF303B	—	◆	—	—	—	—	—	—
red	OFF	800EP-LF404B	—	◆	800ES-LF404B	—	◆	800EP-LE404B	—	◆	800ES-LE404B	—	◆

Additional diffuser caps with legend text and symbols see pages 11-85...11-90.

B = Black texts and symbols.

PQ = Package Quantity

Incandescent Lights, LED - Page 11-82

Colour Caps - Page 11-85

Accessories - Page 11-78

Dimensions - Page 11-120

Illuminated Momentary Push Buttons, Maintained



Colour	Flush					
	Black Plastic Front Ring			Shiny Metal Front Ring		
	Cat. No.	PQ		Cat. No.	PQ	
green	800EP-LFA3	☆	◆	800ES-LFA3	☆	◆
red	800EP-LFA4	☆	◆	800ES-LFA4	☆	◆
yellow	800EP-LFA5	☆	◆	800ES-LFA5	☆	◆
blue	800EP-LFA6	☆	◆	800ES-LFA6	☆	◆
transparent	800EP-LFA7	☆	◆	800ES-LFA7	☆	◆
No cap	800EP-LFA9	☆	◆	800ES-LFA9	☆	◆

Additional diffuser caps with legend text and symbols see pages 11-85...11-89.

B = Black texts and symbols.

Lamp Elements and Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
(N.O./N.C. max. 5)	(N.O./N.C. max. 4)	① Lamp element max. 250 V		800E-2DL0	1	800E-3DL0	1
		③ 240 VAC		800E-2RL7	1	800E-3RL7	1

Complete Lamp Elements and Contact Blocks incl. Latches

		① Lamp element max. 250 V		800E-3DL0X10	1
				800E-3DL0X01	1
				800E-3DL0X11	1
				800E-3DL0X20	1

Contact Blocks

		Standard		800E-2X10	10	800E-3X10	10
				800E-2X01	10	800E-3X01	10
		Low voltage		800E-2X10V	10	800E-3X10V	10
				800E-2X01V	10	800E-3X01V	10

① Please order incandescent lamps or LEDs separately

② The lamp must correspond to the mains voltage

③ The 240 VAC lamp module halves the voltage and allows the usage of a 130 VAC incandescent lamp. Lamp is included
 Usage with LEDs not possible

Options	Cat. No. Suffix	Description	Ordering Example
☆ Packaging quantity	Blank	⌌ Single package (1 piece standard delivery)	800EP-LF3
	-BP	⌌ Package of 10 pieces	800EP-LF3-BP
◆ Metal Operator		The Bulletin 800E push buttons are also available in metal. Please replace the Cat. No. as follows:	
	- with shiny metal front ring	800EM- ... Shiny metal front ring, 800EM- ... instead of 800ES- ...	800EM-LF3

PQ = Package Quantity

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 Incandescent Lights, LED - Page 11-82
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Non-Illuminated Momentary Mushroom Operators



Colour	Momentary ø 40 mm (Plastic Colour Cap)						Momentary ø 40 mm (Metal Colour Cap)		
	Black Plastic Front Ring			Shiny Metal Front Ring			Shiny Metal Front Ring		
	Cat. No.	PQ		Cat. No.	PQ		Cat. No.	PQ	
white	800EP-M1	1	◆	800ES-M1	1	◆	—	1	◆
black	800EP-M2		◆	800ES-M2		◆	800ES-MM2		◆
green	800EP-M3		◆	800ES-M3		◆	800ES-MM3		◆
red	800EP-M4		◆	800ES-M4		◆	800ES-MM4		◆

Colour	Momentary ø 60 mm (Plastic Colour Cap)								
	Black Plastic Front Ring			Shiny Metal Front Ring					
	Cat. No.	PQ		Cat. No.	PQ				
white	800EP-MJ1	1	◆	800ES-MJ1	1	◆			
black	800EP-MJ2		◆	800ES-MJ2		◆			
green	800EP-MJ3		◆	800ES-MJ3		◆			
red	800EP-MJ4		◆	800ES-MJ4		◆			
yellow	800EP-MJ5		◆	800ES-MJ5		◆			
blue	800EP-MJ6		◆	800ES-MJ6		◆			

Non-Illuminated Momentary Mushroom Operators, 2 Positions



Colour	Push-pull/twist ø 40 mm						Push-pull ø 40 mm (Plastic Colour Cap)		
	Black Plastic Front Ring			Shiny Metal Front Ring			Shiny Metal Front Ring		
	Cat. No.	PQ		Cat. No.	PQ		Cat. No..	PQ	
white	800EP-MT1	1	◆	800ES-MT1	1	◆	—	1	◆
black	800EP-MT2		◆	800ES-MT2		◆	800ES-MP22		◆
green	800EP-MT3		◆	800ES-MT3		◆	800ES-MP23		◆
red	800EP-MT4		◆	800ES-MT4		◆	800ES-MP24		◆

Colour	Push-pull/twist ø 60 mm						Push-pull ø 60 mm		
	Black Plastic Front Ring			Shiny Metal Front Ring			Shiny Metal Front Ring		
	Cat. No.	PQ		Cat. No.	PQ		Cat. No.	PQ	
black	800EP-MJT2	1	◆	800ES-MJT2	1	◆	800ES-MJP22	1	◆
green	800EP-MJT3		◆	800ES-MJT3		◆	800ES-MJP23		◆
red	800EP-MJT4		◆	800ES-MJT4		◆	800ES-MJP24		◆

PQ = Package Quantity

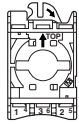
Contact Blocks - Page 11-73

Accessories - Page 11-78

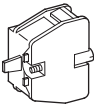
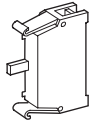
Specifications - Page 11-116

Dimensions - Page 11-120

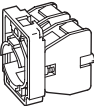
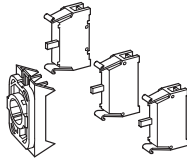
Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
		Latch		800E-A2L	10	800E-A3L	10

Contact Blocks

		Standard		800E-2X10	10	800E-3X10	10
				800E-2X01	10	800E-3X01	10
		Low voltage		800E-2X10V	10	800E-3X10V	10
				800E-2X01V	10	800E-3X01V	10

Contact Blocks including Latches

		Standard		800E-2LX10	1	800E-3LX10	1
				800E-2LX01	1	800E-3LX01	1
			 	800E-2LX11	1	800E-3LX11	1
			 	800E-2LX20	1	800E-3LX20	1
			 	800E-2LX02	1	800E-3LX02	1

Options	Cat. No. Suffix	Description	Ordering Example
Metal Operator - with shiny metal front ring	800EM- ...	The Bulletin 800E push buttons are also available in metal. Please replace the Cat. No. as follows: Shiny metal front ring, 800EM- ... instead of 800ES- ...	800EM-M1

PQ = Package Quantity

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Non-Illuminated Momentary Mushroom Operators, 3 Positions



Function Table with Position Front Element

Contact	 Top	 Middle	 Bottom
N.O.	O	O	X
N.C.	X	O	O
N.O.E.M.	O	X	X
N.C.L.B.	X	X	O

N.O.E.M. = early make / N.C.L.B. = late break

X = closed / O = open

Colour	Push-pull ø 40 mm (Plastic Colour Cap) (Mom. Out - Maint. Center - Mom. In)			Push-pull ø 40 mm (Plastic Colour Cap) (Mom. Out - Maint. Center- Maint. In)		
	Shiny Metal Front Ring			Shiny Metal Front Ring		
	Cat. No.	PQ		Cat. No.	PQ	
black	800ES-MP3R2	1	◆	800ES-MP3S2 ①	1	
green	800ES-MP3R3		◆	800ES-MP3S3 ①		
red	800ES-MP3R4		◆	800ES-MP3S4 ①		

Colour	Push-pull ø 60 mm (Mom. Out - Maint. Center - Mom. In)			Push-pull ø 60 mm (Mom. Out - Maint. Center- Maint. In)		
	Shiny Metal Front Ring			Shiny Metal Front Ring		
	Cat. No.	PQ		Cat. No.	PQ	
black	800ES-MJP3R2 ①	1		800ES-MJP3S2 ①	1	
green	800ES-MJP3R3 ①			800ES-MJP3S3 ①		
red	800ES-MJP3R4 ①			800ES-MJP3S4 ①		

① Availability on request

Non-Illuminated Momentary Mushroom Operators, with Key Lock "Illinois", 2 Positions Maintained
Release with Key Switch

Colour	ø 40 mm. With Key Lock "Illinois"				ø 60 mm, With Key Lock "Illinois"			
	Plastic Operator Black Plastic Front Ring		Metal Operator Shiny Metal Front Ring		Plastic Operator Black Plastic Front Ring		Metal Operator Shiny Metal Front Ring	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
black	800EP-MK2	1	800EM-MK2	1	800EP-MJK2	1	800EM-MJK2	1
green	800EP-MK3		800EM-MK3		800EP-MJK3		800EM-MJK3	
red	800EP-MK4		800EM-MK4		800EP-MJK4		800EM-MJK4	
yellow	800EP-MK5		800EM-MK5		800EP-MJK5		800EM-MJK5	
blue	800EP-MK6		800EM-MK6		800EP-MJK6		800EM-MJK6	

PQ = Package Quantity

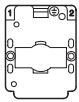
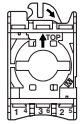
Contact Blocks - Page 11-73

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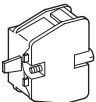
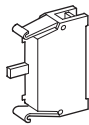
Specifications - Page 11-116

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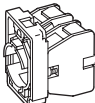
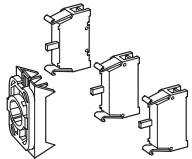
Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
		Latch		800E-A2L	10	800E-A3L	10

Contact Blocks

		Standard		800E-2X10	10	800E-3X10	10
				800E-2X01	10	800E-3X01	10
		Low voltage		800E-2X10V	10	800E-3X10V	10
				800E-2X01V	10	800E-3X01V	10

Contact Blocks including Latches

		Standard		800E-2LX10	1	800E-3LX10	1
				800E-2LX01	1	800E-3LX01	1
				800E-2LX11	1	800E-3LX11	1
				800E-2LX20	1	800E-3LX20	1
				800E-2LX02	1	800E-3LX02	1
							

Options	Cat. No. Suffix	Description	Ordering Example
Metal Operator - with shiny metal front ring	800 EM - ...	The Bulletin 800E push buttons are also available in metal. Please replace the Cat. No. as follows: Shiny metal front ring, 800EM- ... instead of 800ES- ...	800 EM -MP3R2

PQ = Package Quantity

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Illuminated Momentary Mushroom Operators



Colour	Momentary, ø 40 mm			Momentary, ø 60 mm		
	Shiny Metal Front Ring			Shiny Metal Front Ring		
	Cat. No.	PQ		Cat. No.	PQ	
green red yellow blue	800ES-LMJ3	1	◆	800ES-LMJ3	1	◆
	800ES-LMJ4		◆	800ES-LMJ4		◆
	800ES-LMJ5		◆	800ES-LMJ5		◆
	800ES-LMJ6		◆	800ES-LMJ6		◆

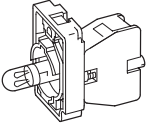
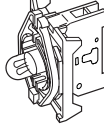
Illuminated Momentary Mushroom Operators, 2 Positions Maintained



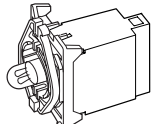
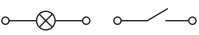
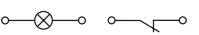
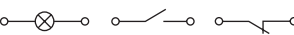
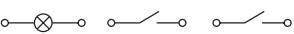
Colour	Push-pull ø 40 mm			Push-pull ø 60 mm		
	Shiny Metal Front Ring			Shiny Metal Front Ring		
	Cat. No.	PQ		Cat. No.	PQ	
green red yellow blue	800ES-LMP23	1	◆	800ES-LMJP23	1	◆
	800ES-LMP24		◆	800ES-LMJP24		◆
	800ES-LMP25		◆	800ES-LMJP25		◆
	800ES-LMP26		◆	800ES-LMJP26		◆

PQ = Package Quantity
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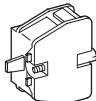
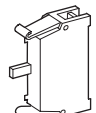
Lamp Elements and Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
(N.O./N.C. max. 5)	(N.O./N.C. max. 4)	❶ Lamp element max. 250 V		800E-2DL0	1	800E-3DL0	1
		❷ 240 VAC		800E-2RL7	1	800E-3RL7	1

Complete Lamp Elements and Contact Blocks incl. Latches

		❶ Lamp element max. 250 V		800E-3DL0X10	1
		❷		800E-3DL0X01	1
				800E-3DL0X11	1
				800E-3DL0X20	1

Contact Blocks

		Standard		800E-2X10	10	800E-3X10	10
				800E-2X01	10	800E-3X01	10
		Low voltage		800E-2X10V	10	800E-3X10V	10
				800E-2X01V	10	800E-3X01V	10

- ❶ Please order incandescent lamps or LEDs separately
- ❷ Lamp must correspond to the mains voltage
- ❸ The 240 VAC lamp module halves the voltage and allows the usage of a 130 VAC incandescent lamp. Lamp is included. Usage with LEDs possible

Options	Cat. No. Suffix	Description	Ordering Example
◆ Metal Operator - with shiny metal front ring	800EM- ...	The Bulletin 800E push buttons are also available in metal. Please replace the Cat. No. as follows: Shiny metal front ring, 800EM- ... instead of 800ES- ...	800EM-LMP23

PQ = Package Quantity

Contact Blocks - Page 11-73
 Incandescent Lights, LED - Page 11-82
 Specifications - Page 11-116
 Dimensions - Page 11-120

Pilot Lights

- Please order incandescent lamp or LED separately



Attention: Additional diffuser with legend texts and symbols see pages 11-85...11-90

Colour	Standard, Flush (incl. blank diffuser)			Optically Enhanced (diffuser not possible)		
	Cat. No.	PQ		Cat. No.	PQ	
green	800EP-P3	☆	◆	800EP-PL3	☆	◆
red	800EP-P4	☆	◆	800EP-PL4	☆	◆
yellow	800EP-P5	☆	◆	800EP-PL5	☆	◆
blue	800EP-P6	☆	◆	800EP-PL6	☆	◆
transparent	800EP-P7	☆	◆	800EP-PL7	☆	◆

eco-Pilot Lights

- Please order incandescent lamp or LED separately



Direct Wire	Colour	Standard		Optically Enhanced	
		Cat. No.	PQ	Cat. No.	PQ
○⊗○ max. 250 V	green	800EP-PM3D0	☆	800EP-PLM3D0	☆
○⊗○ max. 250 V	red	800EP-PM4D0	☆	800EP-PLM4D0	☆
○⊗○ max. 250 V	yellow	800EP-PM5D0	☆	800EP-PLM5D0	☆
○⊗○ max. 250 V	blue	800EP-PM6D0	☆	800EP-PLM6D0	☆
○⊗○ max. 250 V	transparent	800EP-PM7D0	☆	800EP-PLM7D0	☆

Lamp Elements and Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
(N.O./N.C. max. 5)	(N.O./N.C. max. 4)	❶ Lamp element max. 250 V		800E-2DL0	1	800E-3DL0	1
		❷ 240 VAC		800E-2RL7	1	800E-3RL7	1
Complete Lamp Elements and Contact Blocks incl. Latches							

		❶ Lamp element max. 250 V		800E-3DL0X10	1
		❷		800E-3DL0X01	1
				800E-3DL0X11	1
				800E-3DL0X20	1
Contact Blocks					
		Standard		800E-2X10	10
				800E-2X01	10
		Low voltage		800E-2X10V	10
				800E-2X01V	10

- ❶ Please order incandescent lamps or LEDs separately
- ❷ Lamp must correspond to the mains voltage
- ❸ The 240 VAC lamp module halves the voltage and allows the usage of a 130 VAC incandescent lamp. Lamp is included. Usage with LEDs not possible

Options	Cat. No. Suffix	Description	Ordering Example
☆ Packaging quantity	Blank	≡ Single package (1 piece standard delivery)	800EP-P3
	-BP	≡ Package of 10 pieces	800EP-P3-BP
◆ Metal Operator - with shiny metal front ring	800EM- ...	The Bulletin 800E push buttons are also available in metal. Please replace the Cat. No. as follows: Shiny metal front ring, 800EM- ... instead of 800ES- ...	800EM-P3

PQ = Package Quantity

Contact Blocks - Page 11-73
 Incandescent Lights, LED - Page 11-82
 Specifications - Page 11-116
 Dimensions - Page 11-120

Non-Illuminated Selector Switch Operators, 2 Positions

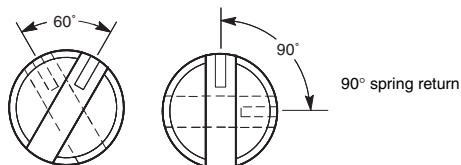


Standard Knob



Lever

Switch Angles



Function Table with Position Front Element ① (60° Switch Angles)

Contact		
N.O.	O	X
N.C.	X	O

Attention: X = closed / O = open

Colour	Operator Type M = Maintained S = Momentary		Standard Knob				Lever			
			Plastic Front Ring		Metal Front Ring		Plastic Front Ring		Metal Front Ring	
			Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
black knob with white text	M M		800EP-SM22	☆	800ES-SM22	☆	800EP-HM22	☆	800ES-HM22	☆
	M←S		800EP-SR22	☆	800ES-SR22	☆	800EP-HR22	☆	800ES-HR22	☆
	S→M ①		800EP-SL22	☆	800ES-SL22	☆	800EP-HL22	☆	800ES-HL22	☆

① Function table for momentary left is reverse mirror-image to the shown table above

Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
		Latch		800E-A2L	10	800E-A3L	10

Contact Blocks

		Standard		800E-2X10	10	800E-3X10	10
				800E-2X01	10	800E-3X01	10
		Low voltage		800E-2X10V	10	800E-3X10V	10
				800E-2X01V	10	800E-3X01V	10

Contact Blocks including Latches

		Standard		800E-2LX10	1	800E-3LX10	1
				800E-2LX01	1	800E-3LX01	1
				800E-2LX11	1	800E-3LX11	1
				800E-2LX20	1	800E-3LX20	1
				800E-2LX02	1	800E-3LX02	1

PQ = Package Quantity

Contact Blocks - Page 11-73
 Accessories - Page 11-78
 Specifications - Page 11-116
 Dimensions - Page 11-120

Non-Illuminated Selector Switch Operators, 2 Positions

800- **EP** – **S** **M2** **2**
 a *b* *c* *d*

a

Operator Type	
Code	Description
EP	Plastic operator
ES	Plastic operator with shiny metal front ring
EM	Metal operator

b

Knob Type	
Code	Description
S	Standard knob
H	Lever

c

Operator Function		
Code	Description	
M2	Maintained (Switch angle 60°)	
N2	Maintained (Switch angle 90°) ❶	
L2	Spring return from left, (Switch angle 60°)	
R2	Spring return from right, (Switch angle 60°)	

d

Colour		
Code	Knob	Text
1	white	black
2	black	white
3	green	white
4	red	white
5	yellow	black
6	blue	white
8	grey	white

❶ 30 mm mounting distance is not possible with lever design. Mounting distance see also page 11-120

Options		Cat. No. Suffix	Description	Ordering Example
☆	Packaging quantity	Blank	⌒ Single package (1 piece standard delivery)	800EP-SM22
		-BP	⌒ Package of 10 pieces	800EP-SM22-BP

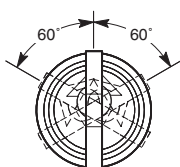
PQ = Package Quantity

Contact Blocks - Page 11-73
 Accessories - Page 11-78
 Specifications - Page 11-116
 Dimensions - Page 11-120

Non-Illuminated Selector Switch Operators, 3 Positions



Switch Angles



Standard Function Table (without Option e) for Front Element (Switch Angle 60°)				
Contact	Position on Latch			
N.O.	left	X	O	O
N.O.	right	O	O	X
N.C.	left	O	X	X
N.C.	right	X	X	O

Attention: X = closed / O = open

Colour	Operator Type M = Maintained S = Momentary			Standard Knob				Lever			
				Plastic Front Ring		Metal Front Ring		Plastic Front Ring		Metal Front Ring	
				Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
Black knob with white text	M	M	M	800EP-SM32	☆	800ES-SM32	☆	800EP-HM32	☆	800ES-HM32	☆
	M	M←S		800EP-SR32	☆	800ES-SR32	☆	800EP-HR32	☆	800ES-HR32	☆
	S→M	M		800EP-SL32	☆	800ES-SL32	☆	800EP-HL32	☆	800ES-HL32	☆
	S→M←S			800EP-SB32	☆	800ES-SB32	☆	800EP-HB32	☆	800ES-HB32	☆

Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
		Latch		800E-A2L	10	800E-A3L	10

Contact Blocks

		Standard		800E-2X10	10	800E-3X10	10
				800E-2X01	10	800E-3X01	10
		Low voltage		800E-2X10V	10	800E-3X10V	10
				800E-2X01V	10	800E-3X01V	10

Contact Blocks including Latches

		Standard		800E-2LX10	1	800E-3LX10	1
				800E-2LX01	1	800E-3LX01	1
				800E-2LX11	1	800E-3LX11	1
				800E-2LX20	1	800E-3LX20	1
				800E-2LX02	1	800E-3LX02	1

PQ = Package Quantity

Contact Blocks - Page 11-73
 Accessories - Page 11-78
 Specifications - Page 11-116
 Dimensions - Page 11-120

Non-Illuminated Selector Switch Operators, 3 Positions

800- **EP** - **S** **M3** **3**
a b c d e

a

Operator Type	
Code	Description
EP	Plastic operator
ES	Plastic operator with shiny metal front ring
EM	Metal operator

b

Knob Type	
Code	Description
S	Standard Knob
H	Lever

c

Operator Function	
Code	Description
M3	Maintained
L3	Spring return from left
R3	Spring return from right
B3	Spring return from left and right

d

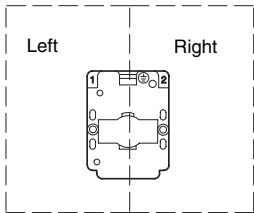
Colour		
Code	Knob	Text
1	white	black
2	black	white
3	green	white
4	red	white
5	yellow	black
6	blue	white
8	grey	white

e

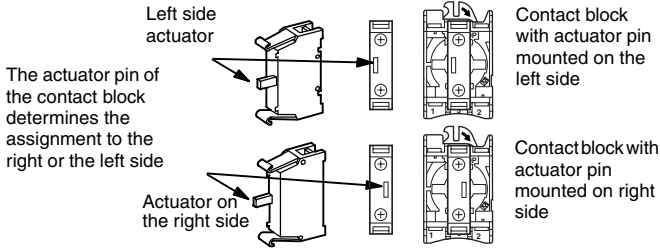
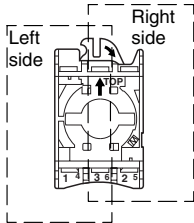
Function Table with Option e (without Option e see page 11-30)				
Operator Position Viewed from the Front			C1 Position of the Contact Blocks Viewed from the Rear	
			Left Side	Right Side
			—	N.O.
O	X	O	N.C. or N.C.	
O	O	X	N.O.	—
X	X	O	N.C.L.B.	—
O	X	X	—	N.C.L.B.
X	O	X	N.O.E.M. or N.O.E.M.	

Attention: X = closed / O = open

2- Across Latch



3-Across Latch



Options	Cat. No. Suffix	Description	Ordering Example
☆ Packaging quantity	Blank	⌞ Single package (1 piece standard delivery)	800EP-SM31
	-BP	⌞ Package of 10 pieces	800EP-SM31-BP

Contact Blocks - Page 11-73
Accessories - Page 11-78
Specifications - Page 11-116
Dimensions - Page 11-120

Non-Illuminated Selector Switch Operators, 4 Positions



Standard Knob



Lever

Switch Angles

Standard Function Table for Front Element (45° Switch Angles)

Contact	Position on Latch				
N.O.	Right	X	O	O	O
N.C.	Right	O	X	O	O
N.O.	Left	O	O	X	O
N.C.	Left	O	O	O	X
N.O.E.M.	Left	X	X	X	O
N.C.L.B.	Left	X	X	O	X
N.O.E.M.	Right	X	O	X	X
N.C.L.B.	Right	O	X	X	X

Attention: X = closed / O = open

Colour	Operator Type M = Maintained S = Momentary	Standard Knob				Lever			
		Plastic Front Ring		Metal Front Ring		Plastic Front Ring		Metal Front Ring	
						Cat. No.	PQ	Cat. No.	PQ
Black knob with white text	M M M M	800EP-SM42	☆	800ES-SM42	☆	800EP-HM42	☆	800ES-HM42	☆
	S→M M M	800EP-SL42	☆	800ES-SL42	☆	800EP-HL42	☆	800ES-HL42	☆
	M M M←S	800EP-SR42	☆	800ES-SR42	☆	800EP-HR42	☆	800ES-HR42	☆
	S→M M←S	800EP-SB42	☆	800ES-SB42	☆	800EP-HB42	☆	800ES-HB42	☆

Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
		Latch		800E-A2L	10	800E-A3L	10

Contact Blocks

		Standard		800E-2X10	10	800E-3X10	10
				800E-2X01	10	800E-3X01	10
		Low voltage		800E-2X10V	10	800E-3X10V	10
				800E-2X01V	10	800E-3X01V	10

Contact Blocks including Latches

		Standard		800E-2LX10	1	800E-3LX10	1
				800E-2LX01	1	800E-3LX01	1
				800E-2LX11	1	800E-3LX11	1
				800E-2LX20	1	800E-3LX20	1
				800E-2LX02	1	800E-3LX02	1

PQ = Package Quantity

Contact Blocks - Page 11-73

Accessories - Page 11-78

Specifications - Page 11-116

Dimensions - Page 11-120

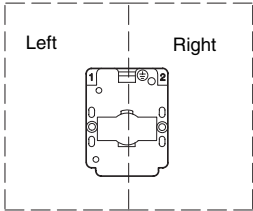
Non-Illuminated Selector Switch Operators, 4 Positions

800-EP-SM42

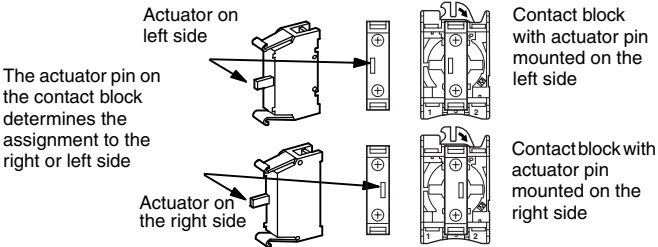
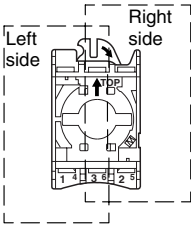
a b c d

a		c		d		
Operator Type		Operator Function		Colour		
Code	Description	Code	Description	Code	Knob	Text
EP	Plastic operator	M4	Maintained	1	white	black
ES	Plastic operator with shiny metal front ring	L4	Spring return from left	2	black	white
EM	Metal operator	R4	Spring return from right	3	green	white
b		B4	Spring return from left and right	4	red	white
Knob Type				5	yellow	black
Code	Description			6	blue	white
S	Standard knob			8	grey	white
H	Lever					

2-Across Latch



3-Across Latch



Options	Cat. No. Suffix	Description	Ordering Example
★ Packaging quantity	Blank	⌚ Single package (1 piece standard delivery)	800EP-SM41
	-BP	⌚ Package of 10 pieces	800EP-SM41-BP

Illuminated Selector Switch Operators, 2 Positions

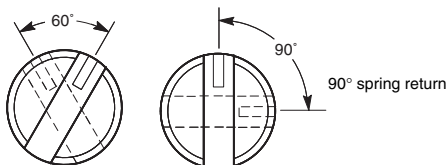


Standard Knob



Lever

Switch Angles



Function Table with Position Front Element ④ (Switch Angle 60°)		
Contact		
N.O.	O	X
N.C.	X	O

Attention: X = closed / O = open

Colour	Operator Type M = Maintained S = Momentary		Standard Knob				Lever			
			Plastic Front Ring		Metal Front Ring		Plastic Front Ring		Metal Front Ring	
			Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
Red knob with white text	M M		800EP-LSM24	☆	800ES-LSM24	☆	800EP-LHM24	☆	800ES-LHM24	☆
	M←S		800EP-LSR24	☆	800ES-LSR24	☆	800EP-LHR24	☆	800ES-LHR24	☆
	S→M ④		800EP-LSL24	☆	800ES-LSL24	☆	800EP-LHL24	☆	800ES-LHL24	☆

④ Function table for momentary left is reverse mirror-image to the shown table above.

Lamp Elements and Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
(N.O./N.C. max. 5)	(N.O./N.C. max. 4)	① Lamp element max. 250 V		800E-2DL0	1	800E-3DL0	1
		③ 240 VAC		800E-2RL7	1	800E-3RL7	1

Complete Lamp Elements and Contact Blocks incl. Latches

		① Lamp element max. 250 V		800E-3DL0X10	1
				800E-3DL0X01	1
				800E-3DL0X11	1
				800E-3DL0X20	1

Contact Blocks

		Standard		800E-2X10	10	800E-3X10	10
				800E-2X01	10	800E-3X01	10
		Low voltage		800E-2X10V	10	800E-3X10V	10
				800E-2X01V	10	800E-3X01V	10

① Please order incandescent lamps or LEDs separately

② Lamp must correspond to the mains voltage

③ The 240 VAC lamp module halves the voltage and allows the usage of a 130 VAC incandescent lamp. Lamp is included. Usage with LEDs not possible

PQ = Package Quantity

Incandescent Lights, LED - Page 11-82

Contact Blocks - Page 11-73

Specifications - Page 11-116

Dimensions - Page 11-120

Illuminated Selector Switch Operators, 2 Positions

800- **EP** – **LS** **M2** **1**
 a *b* *c* *d*

a

Operator Type	
Code	Description
EP	Plastic operator
ES	Plastic operator with shiny metal front ring
EM	Metal operator

b

Knob Type	
Code	Description
LS	Standard knob
LH	Lever

c

Operator Function		
Code	Description	
M2	Maintained (Switch Angle 60°)	
N2	Maintained (Switch Angle 90° ❶)	
L2	Spring return form left (Switch Angle 60°)	
R2	Spring return from right (Switch Angle 60°)	

d

Colour		
Code	Knob	Text
1	white	black
3	green	white
4	red	white
5	yellow	black
6	blue	white
7	transparent	black

❶ 30 mm mounting distance is not possible with lever. Mounting distance see also page 11-120

Options		Cat. No. Suffix	Description	Ordering Example
☆	Packaging quantity	Blank	≡ Single package (1 piece standard delivery)	800EP-LSM24
		-BP	≡ Package of 10 pieces	800EP-LSM24-BP

Illuminated Selector Switch Operators, 3 Positions

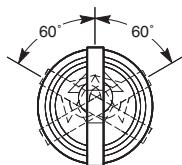


Standard Knob



Lever

Switch Angles



Standard Function Table (without Option e) for Front Element (Switch Angles 60°)

Contact	Position on Latch			
N.O.	Left	X	O	O
N.O.	Right	O	O	X
N.C.	Left	O	X	X
N.C.	Right	X	X	O

Attention: X = closed / O = open

Colour	Operator Type M = Maintained S = Momentary			Standard Knob				Lever			
				Plastic Front Ring		Metal Front Ring		Plastic Front Ring		Metal Front Ring	
				Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
Red knob with white text	M	M	M	800EP-LSM34	☆	800ES-LSM34	☆	800EP-LHM34	☆	800ES-LHM34	☆
	M	M←S		800EP-LSR34	☆	800ES-LSR34	☆	800EP-LHR34	☆	800ES-LHR34	☆
	S→M	M		800EP-LSL34	☆	800ES-LSL34	☆	800EP-LHL34	☆	800ES-LHL34	☆
	S→M←S			800EP-LSB34	☆	800ES-LSB34	☆	800EP-LHB34	☆	800ES-LHB34	☆

Lamp Elements and Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
(N.O./N.C. max. 5)	(N.O./N.C. max. 4)	① Lamp element max. 250 V		800E-2DL0	1	800E-3DL0	1
		③ 240 VAC		800E-2RL7	1	800E-3RL7	1

Complete Lamp Elements and Contact Blocks incl. Latches

	① Lamp element max. 250 V			800E-3DL0X10	1
				800E-3DL0X01	1
				800E-3DL0X11	1
				800E-3DL0X20	1

Contact Blocks

		Standard		800E-2X10	10	800E-3X10	10
				800E-2X01	10	800E-3X01	10
		Low voltage		800E-2X10V	10	800E-3X10V	10
				800E-2X01V	10	800E-3X01V	10

① Please order incandescent lamps or LEDs separately

② Lamp must correspond to the mains voltage

③ The 240 VAC lamp module halves the voltage and allows the usage of a 130 VAC incandescent lamp. Lamp is included.
Usage with LEDs not possible

PQ = Package Quantity

Incandescent Lights, LED - Page 11-82

Contact Blocks - Page 11-73

Specifications - Page 11-116

Dimensions - Page 11-120

Illuminated Selector Switch Operators, 3 Positions

800-EP-LSM33

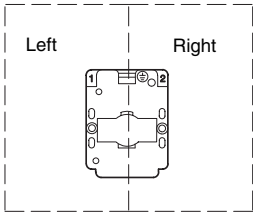
a b c d e

Operator Type		Operator Function		Colour		
Code	Description	Code	Description	Code	Knob	Text
EP	Plastic operator	M3	Maintained	1	white	black
ES	Plastic operator with shiny metal front ring	L3	Spring return from left	3	green	white
EM	Metal operator	R3	Spring return from right	4	red	white
		B3	Spring return from left and right	5	yellow	black
				6	blue	white
				7	transparent	black

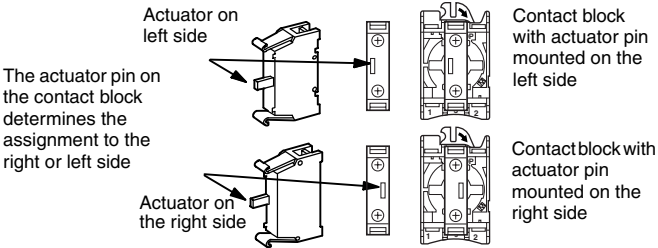
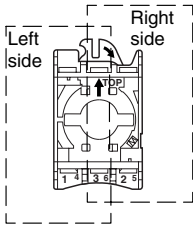
Function Table with Option e (without Option e see page 11-36)					
Operator Position Viewed from the Front			C1		
			Position of the Contact Block Viewed from the Back		
			Left Side	Right Side	
X	O	O	—	N.O.	
O	X	O	N.C. or N.C.		
O	O	X	N.O.	—	
X	X	O	N.C.L.B.	—	
O	X	X	—	N.C.L.B.	
X	O	X	N.O.E.M. or N.O.E.M.		

Attention:X = closed / O = open

2-Across Latch



3-Across Latch



Options	Cat. No. Suffix	Description	Ordering Example
☆ Packaging quantity	Blank	⌵ Single package (1 piece standard delivery)	800EP-LSM34
	-BP	⌵ Package of 10 pieces	800EP-LSM34-BP

Illuminated Selector Switch Operators, 4 Positions



Standard Knob



Lever

Switch Angles

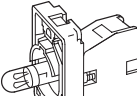
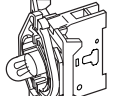
Standard Function Table for Front Element (Switch Angle 45°)

Contact	Position on Latch				
N.O.	Right	X	O	O	O
N.C.	Right	O	X	O	O
N.O.	Left	O	O	X	O
N.C.	Left	O	O	O	X
N.O.E.M.	Left	X	X	X	O
N.C.L.B.	Left	X	X	O	X
N.O.E.M.	Right	X	O	X	X
N.C.L.B.	Right	O	X	X	X

Attention: X = closed / O = open

Colour	Operator Type M = Maintained S = Momentary				Standard Knob				Lever			
					Plastic Front Ring		Metal Front Ring		Plastic Front Ring		Metal Front Ring	
					Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
Red knob with white text	M	M	M	M	800EP-LSM44	☆	800ES-LSM44	☆	800EP-LHM44	☆	800ES-LHM44	☆
	S→M	M	M	M	800EP-LSL44	☆	800ES-LSL44	☆	800EP-LHL44	☆	800ES-LHL44	☆
	M	M	M←S		800EP-LSR44	☆	800ES-LSR44	☆	800EP-LHR44	☆	800ES-LHR44	☆
	S→M	M←S			800EP-LSB44	☆	800ES-LSB44	☆	800EP-LHB44	☆	800ES-LHB44	☆

Lamp Elements and Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
(N.O./N.C. max. 5)	(N.O./N.C. max. 4)	①	Lamp element max. 250 V	800E-2DL0	1	800E-3DL0	1
		②					
		③	240 VAC	800E-2RL7	1	800E-3RL7	1
Complete Lamp Elements and Contact Blocks incl. Latches							

 ① Lamp element max. 250 V ②		800E-3DL0X10	1
		800E-3DL0X01	1
		800E-3DL0X11	1
		800E-3DL0X20	1

Contact Blocks

 Standard		800E-2X10	10	800E-3X10	10
		800E-2X01	10	800E-3X01	10
	 Low voltage	800E-2X10V	10	800E-3X10V	10
		800E-2X01V	10	800E-3X01V	10

① Please order incandescent lamps or LEDs separately

② Lamp must correspond to the mains voltage

③ The 240 VAC lamp element halves the voltage. Use 130 V / 2.4 W incandescent lamp

PQ = Package Quantity

Incandescent Lights, LED - Page 11-82

Contact Blocks - Page 11-73

Specifications - Page 11-116

Dimensions - Page 11-120

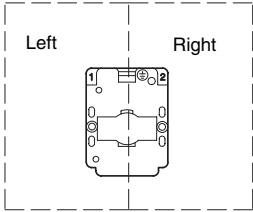
Illuminated Selector Switch Operators, 4 Positions

800-EP-LSM42

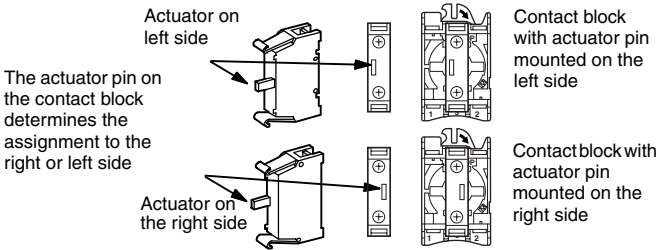
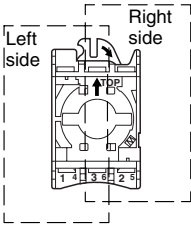
a b c d

a		c		d		
Operator Type		Operator Function		Colour		
Code	Description	Code	Description	Code	Knob	Text
EP	Plastic operator	M4	Maintained	1	white	black
ES	Plastic operator with shiny metal front ring	L4	Spring return from left	3	green	white
EM	Metal operator	R4	Spring return from right	4	red	white
b		B4	Spring return from left and right	5	yellow	black
Knob Type				6	blue	white
Code				7	transparent	black
LS	Standard knob					
LH	Lever					

2-Across Latch



3-Across Latch

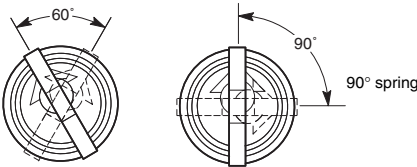


Options	Cat. No. Suffix	Description	Ordering Example
☆ Packaging quantity	Blank	⌵ Single package (1 piece standard delivery)	800EP-LSM44
	-BP	⌵ Package of 10 pieces	800EP-LSM44-BP

Key Operated Selector Switch Operators, 2 Positions ❶



Switch Angles



Function Table with Position Front Element ❷ (Switch Angle 60°)

Contact		
N.O.	O	X
N.C.	X	O

Attention: X = closed / O = open

Control Knob Position	Operator Type M = Maintained S = Momentary		Key Lock “Ronis 455”	
			Cat. No.	PQ
Left	M	M	800EP-KM2R1R	1
Right	M	M	800EP-KM2R2R	
Both sides	M	M	800EP-KM2R3R	
Left	M←S		800EP-KR2R1R	
Right		S→M ❷	800EP-KL2R2R	

❷ Function table for momentary left is reverse mirror-image to the shown table above.

Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
		Latch		800E-A2L	10	800E-A3L	10

Contact Blocks

		Standard		800E-2X10	10	800E-3X10	10
				800E-2X01	10	800E-3X01	10
		Low voltage		800E-2X10V	10	800E-3X10V	10
				800E-2X01V	10	800E-3X01V	10

Contact Blocks including Latches

		Standard		800E-2LX10	1	800E-3LX10	1
				800E-2LX01	1	800E-3LX01	1
				800E-2LX11	1	800E-3LX11	1
				800E-2LX20	1	800E-3LX20	1
				800E-2LX02	1	800E-3LX02	1

❶ Key operated selector switch operators protection class IP66, Type 4/13

PQ = Package Quantity
Contact Blocks - Page 11-73
Accessories - Page 11-78
Specifications - Page 11-116
Dimensions - Page 11-120

Key Operated Selector Switch Operators, 2 Positions

800- EM – KM2 R 1
a
b
c
d
e

a

Operator Type	
Code	Description
EP	Plastic operator
ES	Plastic operator with shiny metal front ring
EM	Metal operator

b

Operator Function	
Code	Description
KM2	Maintained (Switch Angle 60°) 
KN2	Maintained (Switch Angle 90°) 
KL2	Spring return from left (Switch Angle 60°) 
KR2	Spring return from right (Switch Angle 60°) 

c

Key Lock Type	
Code	Description
R	Ronis
Z	Zadi

d

Control Knob Position ⑥	
Code	Description
1	Left
2	Right
3	Both sides

e

Key Lock "Ronis"		Key Lock "Zadi"	
Code	Key No.	Code	Key No.
Blank	3825	Blank	006
R	455	01Z	001
01R	3801	02Z	002
02R	3802	03Z	003
03R	3803	04Z	004
04R	3804	05Z	005
05R	3805	07Z	007
06R	3806	08Z	008
27R	4001	09Z	009
28R	4002	10Z	010
29R	4003	11Z	011
30R	4004	12Z	012
31R	4005	13Z	012
32R	4006	14Z	014
33R	4007	—	—

Spare Keys

Key Lock “Ronis”							Key Lock “Zadi”				
Key number			Passe-partout		Central key		Key number			Passe-partout	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ		Cat. No.	PQ	Cat. No.	PQ
3825	800E-AKR3825	2	800E-AKR3910	2	800E-AKR3901	2	006	800E-AKZ006	2	800E-AKZ109	2
3801	800E-AKR3801	2					001	800E-AKZ001	2		
3802	800E-AKR3802	2					002	800E-AKZ002	2		
3803	800E-AKR3803	2					003	800E-AKZ003	2		
3804	800E-AKR3804	2					004	800E-AKZ004	2		
3805	800E-AKR3805	2					005	800E-AKZ005	2		
3806	800E-AKR3806	2					007	800E-AKZ007	2		
4001	800E-AKR4001	2	800E-AKR3920	2			008	800E-AKZ008	2		
4002	800E-AKR4002	2					009	800E-AKZ009	2		
4003	800E-AKR4003	2					010	800E-AKZ010	2		
4004	800E-AKR4004	2					011	800E-AKZ011	2		
4005	800E-AKR4005	2					012	800E-AKZ012	2		
4006	800E-AKR4006	2					012	800E-AKZ012	2		
4007	800E-AKR4007	2					014	800E-AKZ014	2		
455	800E-AKR455	2									

Options	Cat. No. Suffix	Description	Ordering Example
☆ Packaging quantity	Blank	⌌ Single package (1 piece standard delivery)	800EP-KM2R1
	-BP	⌌ Package of 10 pieces	800EP-KM2R1-BP

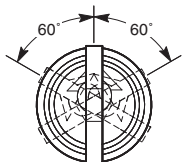
⑥ Control knob position only possible in maintained position

Contact Blocks - Page 11-73
Accessories - Page 11-78
Specifications - Page 11-116
Dimensions - Page 11-120

Key Operated Selector Switch Operators “Ronis”, 3 Positions ❶



Switch Angles



Function Table with Position Front Element (Switch Angle 60°)

Contact	Position on Latch			
N.O.	Left	X	O	O
N.O.	Right	O	O	X
N.C.	Left	O	X	X
N.C.	Right	X	X	O

Attention: X = closed / O = open

Control Knob Position	Operator Type M = Maintained S = Momentary			Key Lock “Ronis 455”	
				Cat. No.	PQ
Left	M	M	M	800EP-KM3R1R	1
Right	M	M	M	800EP-KM3R2R	
All positions	M	M	M	800EP-KM3R3R	
Middle	M	M	M	800EP-KM3R4R	
Left + Middle	M	M←S		800EP-KR3R5R	
Left + Right	S→M	←S		800EP-KB3R4R	
Middle + Right	S→M	M		800EP-KL3R7R	

Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
		Latch		800E-A2L	10	800E-A3L	10

Contact Blocks

		Standard		800E-2X10	10	800E-3X10	10
				800E-2X01	10	800E-3X01	10
		Low voltage		800E-2X10V	10	800E-3X10V	10
				800E-2X01V	10	800E-3X01V	10

Contact Blocks including Latches

		Standard		800E-2LX10	1	800E-3LX10	1
				800E-2LX01	1	800E-3LX01	1
				800E-2LX11	1	800E-3LX11	1
				800E-2LX20	1	800E-3LX20	1
				800E-2LX02	1	800E-3LX02	1

❶ Key operated selector switch operators protection class IP66, Type 4/13

PQ = Package Quantity

Contact Blocks - Page 11-73

Accessories - Page 11-78

Specifications - Page 11-116

Dimensions - Page 11-120

Key Operated Selector Switch Operators, 3 Positions

800-

EM

-

KM3

R

2

a

b

c

d

e

a

Operator Type	
Code	Description
EP	Plastic operator
ES	Plastic operator with shiny metal front ring
EM	Metal operator

b

Operator Function		
Code	Description	
KM3	Maintained 60°	
KR3	Spring return from right 60°	
KL3	Spring return from left 60°	
KB3	Spring return from left and right 60°	

c

Key Type	
Code	Description
R	Ronis
Z	Zadi

d

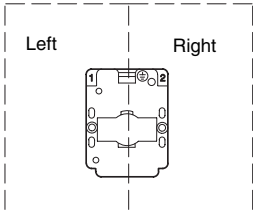
Control Knob Position ③	
Code	Description
1	Left
2	Right
3	All positions
4	Middle
5	Left + Middle
6	Left + Right
7	Right + Middle

e

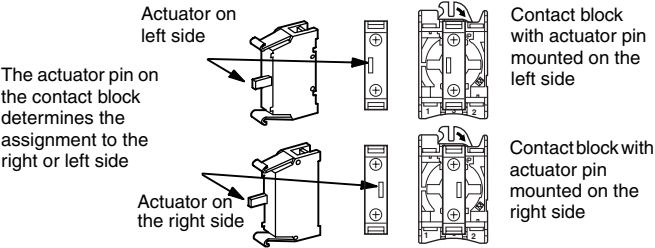
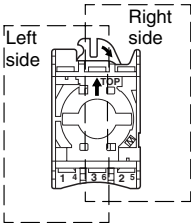
Key Lock “Ronis”		Key Lock “Zadi”	
Code	Key No.	Code	Key No.
Blank	3825	Blank	006
R	455	01Z	001
01R	3801	02Z	002
02R	3802	03Z	003
03R	3803	04Z	004
04R	3804	05Z	005
05R	3805	07Z	007
06R	3806	08Z	008
27R	4001	09Z	009
28R	4002	10Z	010
29R	4003	11Z	011
30R	4004	12Z	012
31R	4005	13Z	012
32R	4006	14Z	014
33R	4007	—	—

Spare keys see page 11-41

2-Across Latch



3-Across Latch



Options	Cat. No. Suffix	Description	Ordering Example
☆ Packaging quantity	Blank	⌞ Single package (1 piece standard delivery)	800EP-KM3R1
	-BP	⌞ Package of 10 pieces	800EP-KM3R1-BP

③ Control knob position only possible in maintained position

Contact Blocks - Page 11-73

Accessories - Page 11-78

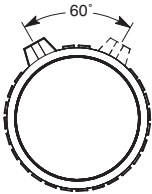
Specifications - Page 11-116

Dimensions - Page 11-120

Selector Jog Operator



Switch Angles

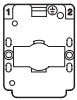
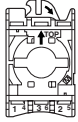


Operator Position (Front View)					
Contact	Position on Latch				
		Not Actuated	Actuated	Not Actuated	Actuated
N.O.	Left	O	X	O	O
N.O.	Right	O	O	O	X
N.C.	Left	X	O	X	X
N.C.	Right	X	X	X	O

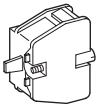
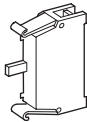
Attention: X = closed / O = open

	Colour	Selector Jog Operator			
		Black Plastic Front Ring		Shiny Metal Front Ring	
		Cat. No.	PQ	Cat. No.	PQ
	white	800EP-SJ21	1	800ES-SJ21	1
	black	800EP-SJ22		800ES-SJ22	
	green	800EP-SJ23		800ES-SJ23	
	red	800EP-SJ24		800ES-SJ24	
	yellow	800EP-SJ25		800ES-SJ25	
	blue	800EP-SJ26		800ES-SJ26	

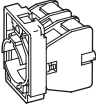
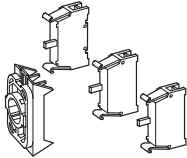
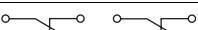
Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
		Latch		800E-A2L	10	800E-A3L	10

Contact Blocks

		Standard		800E-2X10	10	800E-3X10	10
				800E-2X01	10	800E-3X01	10
		Low voltage		800E-2X10V	10	800E-3X10V	10
				800E-2X01V	10	800E-3X01V	10

Contact Blocks including Latches

		Standard		800E-2LX10	1	800E-3LX10	1
				800E-2LX01	1	800E-3LX01	1
				800E-2LX11	1	800E-3LX11	1
				800E-2LX20	1	800E-3LX20	1
				800E-2LX02	1	800E-3LX02	1

PQ = Package Quantity

Contact Blocks - Page 11-73
Accessories - Page 11-78
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Reset Operators



Colour	Text	Flush					
		Black Plastic Front Ring			Shiny Metal Front Ring		
		Cat. No.	PQ		Cat. No.	PQ	
blue	RESET	800EP-R607W	1	◆	800ES-R607W	1	◆
blue	R	800EP-R611W	1	◆	800ES-R611W	1	◆
no cap		800EP-R9	☆	◆	800ES-R9	☆	◆

Colour cap see page 11-85



Reset Rods



Reset Rod Length [mm]	Adjustable Length [mm]	Reset Rod with Reset Plate Ø 12.6 mm		Reset Rod with Reset Plate Ø 35 mm	
		Cat. No.	PQ	Cat. No.	PQ
36	34...52	800E-ATR01	1	800E-ATR01L	1
51	50...67	800E-ATR02		800E-ATR02L	
66	65...83	800E-ATR03		800E-ATR03L	
81	80...98	800E-ATR04		800E-ATR04L	
97	95...113	800E-ATR05		800E-ATR05L	
112	110...128	800E-ATR06		800E-ATR06L	
127	126...144	800E-ATR07		800E-ATR07L	
142	141...159	800E-ATR08		800E-ATR08L	
312	34...326 ❶	800E-ATR19		800E-ATR19L	

Options	Cat. No. Suffix	Description	Ordering Example
☆ Packaging quantity	Blank	⌌ Single package (1 piece standard delivery)	800EP-R9
	-BP	⌌ Package of 10 pieces	800EP-R9-BP
◆ Metal Operator - with shiny metal front ring	800EM- ...	The Bulletin 800E push buttons are also available in metal. Please replace the Cat. No. as follows: Shiny metal front ring, 800EM- ... instead of 800ES- ...	800EM-R407W

❶ detachable rods available in any length (thread continuous)

PQ = Package Quantity

Contact Blocks - Page 11-73
 Accessories - Page 11-78
 Specifications - Page 11-116
 Dimensions - Page 11-120

Wobble Stick Operators



Knob	Standard			
	Plastic Operator		Metal Operator	
	Cat. No.	PQ	Cat. No.	PQ
red plastic shiny aluminium	800EP-W4 —	1	800EM-W4 800EM-W8	1

Only with plastic operator for 3-across latches

Joy Stick Operators (Metal Operator Only)



Available Table													
Contact-element	Position on Latch				2 Positions			4 Positions					
N.O.			Level 1	left	O	O	X	X	O	O	O	O	O
N.O.				right	X	O	O	O	X	O	O	O	O
N.C.			Level 2	left	X	O	O	O	O	O	X	O	O
N.C.				right	O	O	X	O	O	O	O	O	X

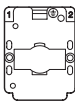
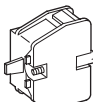
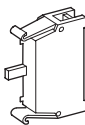
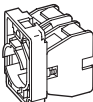
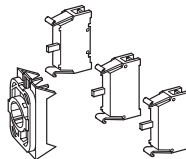
Attention: X = closed / O = open

Type	Standard			
	Without Latch		With Latch	
	Cat. No.	PQ	Cat. No.	PQ
2 Positions maintained 2 Positions momentary 4 Positions maintained 4 Positions momentary	800EM-JM2 800EM-JR2 800EM-JM4 800EM-JR4	1	800EM-JLM2 800EM-JLR2 800EM-JLM4 800EM-JLR4	1

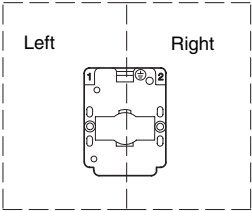
PQ = Package Quantity

Contact Blocks - Page 11-73
Accessories - Page 11-78
Specifications - Page 11-116
Dimensions - Page 11-120

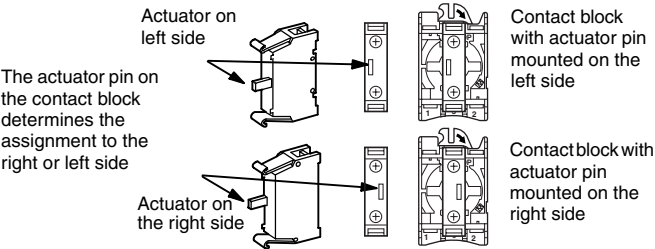
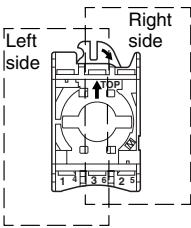
Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
		Latch		800E-A2L	10	800E-A3L	10
Contact Blocks							
		Standard		800E-2X10	10	800E-3X10	10
				800E-2X01	10	800E-3X01	10
		Low voltage		800E-2X10V	10	800E-3X10V	10
				800E-2X01V	10	800E-3X01V	10
Contact Blocks including Latches							
		Standard		800E-2LX10	1	800E-3LX10	1
				800E-2LX01	1	800E-3LX01	1
			 	800E-2LX11	1	800E-3LX11	1
			 	800E-2LX20	1	800E-3LX20	1
			 	800E-2LX02	1	800E-3LX02	1

2-Across Latch



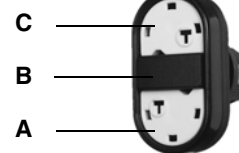
3-Across Latch



PQ = Package Quantity

Non-Illuminated Multi-Function Operators (Plastic only)

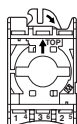
Position



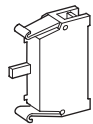
Position C	Position B		Position A	Non-Illuminated			
				Black Plastic Front Ring		Shiny Plastic Front Ring	
Cap	Cap	Text	Cap	Cat. No.	PQ	Cat. No.	PQ
empty	Blank cap		empty	800EP-U2X	☆	800ES-U2X	1
empty	red raised	—	empty	800EP-U3X00	☆	—	
empty	red raised	O	empty	800EP-U3X01	☆	—	
empty	red raised	STOP	empty	800EP-U3X03	☆	—	
empty	black raised	—	empty	800EP-U3E00	☆	—	
empty	black raised	O	empty	800EP-U3E01	☆	—	
empty	black raised	STOP	empty	800EP-U3E03	☆	—	

Attention: Colour cap see page 11-97.

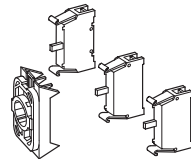
Latches

Plastic Latches for 3 Elements per Level	Description		Plastic Latches for 3 Elements per Level	
	Type	Contact	Cat. No.	PQ
	Latch		800E-A3L	10

Contact Blocks

	Standard		800E-3X10	10
			800E-3X01	10
	Low voltage		800E-3X10V	10
			800E-3X01V	10

Contact Blocks including Latch

	Standard		800E-3LX10	1
			800E-3LX01	1
			800E-3LX11	1
			800E-3LX20	1
			800E-3LX02	1
				

Multi-function operators with sealing cap IP66, Cat. No. see Accessories 11-78, without sealing cap IP40.

Options	Cat. No. Suffix	Description	Ordering Example
☆ Packaging quantity	Blank	⌞ Single package (1 piece standard delivery)	800EP-U2X
	-BP	⌞ Package of 10 pieces	800EP-U2X-BP

PQ = Package Quantity

Colour Caps - Page 11-97

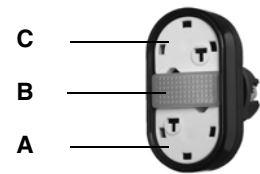
Contact Blocks - Page 11-73

Accessories - Page 11-78

Specifications - Page 11-116

Illuminated Multi-Function Operators (Plastic only)

Position



Position C	Position B		Position A	Illuminated			
				Black Plastic Front Ring		Shiny Plastic Front Ring	
Cap	Cap	Text	Cap	Cat. No.	PQ	Cat. No.	PQ
empty	Light cap		empty	800EP-LU2X	☆	800ES-LU2X	1

Attention: Colour cap see page Page 11-97.

Lamp Elements and Latches

Plastic Latches for 3 Screw Down Elements	Description		Plastic Latches for 3 Screw Down Elements	
	Type	Contact	Cat. No.	PQ
(N.O./N.C. max. 4) 	① ② Lamp element max. 250 V		800E-3DL0	1
	③ 240 VAC		800E-3RL7	1

Complete Lamp Elements and Contact Blocks incl. Latches

	① ② Lamp element max. 250 V		800E-3DL0X10	1
			800E-3DL0X01	1
			800E-3DL0X11	1
			800E-3DL0X20	1

Contact Blocks

	Standard		800E-3X10	10
			800E-3X01	10
	Low voltage		800E-3X10V	10
			800E-3X01V	10

Multi-function operators with sealing cap IP66, Cat. No. see Accessories 11-78, without sealing cap IP40.

- ① Please order incandescent lamps or LEDs separately
- ② Lamp must correspond to the mains voltage
- ③ The 240 VAC lamp module halves the voltage and allows the usage of a 130 VAC incandescent lamp. Lamp is included. Usage with LEDs not possible

Options	Cat. No. Suffix	Description	Ordering Example
☆ Packaging quantity	Blank	⌒ Single package (1 piece standard delivery)	800EP-LU2X
	-BP	⌒ Package of 10 pieces	800EP-LU2X-BP

PQ = Package Quantity

Incandescent Lights, LED - Page 11-82
 Colour Caps - Page 11-97
 Contact Blocks - Page 11-73
 Specifications - Page 11-116

Non-Illuminated Momentary Push Buttons



Colour	Flush		Raised		With Raised Front Ring	
	Black Plastic Front Ring		Black Plastic Front Ring		Black Plastic Front Ring	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
white	800EQ-F1	1	800EQ-E1	1	800EQ-G1	1
black	800EQ-F2		800EQ-E2		800EQ-G2	
green	800EQ-F3		800EQ-E3		800EQ-G3	
red	800EQ-F4		800EQ-E4		800EQ-G4	
yellow	800EQ-F5		800EQ-E5		800EQ-G5	
blue	800EQ-F6		800EQ-E6		800EQ-G6	
no cap	800EQ-F9		800EQ-E9		800EQ-G9	
		☆				☆

Non-Illuminated Momentary Push Buttons with Legend Text



Colour	Text	Flush, with Legend Text		Raised, with Legend Text	
		Black Plastic Front Ring		Black Plastic Front Ring	
		Cat. No.	PQ	Cat. No.	PQ
green		800EQ-F306W	1	—	
white		800EQ-F106B		—	
red	O	800EQ-F405W	1	800EQ-E405W	1
black	O	800EQ-F205W		—	
green	START	800EQ-F301W	1	—	
white	START	800EQ-F101B		—	
red	STOP	800EQ-F402W	1	800EQ-E402W	1
black	STOP	800EQ-F202W		—	
green	ON	800EQ-F303W	1	—	
white	ON	800EQ-F103B		—	
red	OFF	800EQ-F404W	1	800EQ-E404W	1
black	OFF	800EQ-F204W		—	
white	Æ	800EQ-F108B	1	—	
black	Æ	800EQ-F208W		—	

Options	Cat. No. Suffix	Description	Ordering Example
☆ Packaging quantity	Blank	≧ Single package (1 piece standard delivery)	800EQ-F1
	-BP	≧ Package of 10 pieces	800EQ-F1-BP

PQ = Package Quantity

Colour Caps - Page 11-85

Accessories - Page 11-78

Specifications - Page 11-116

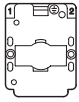
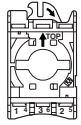
Dimensions - Page 11-120

Non-Illuminated Maintained Push Buttons

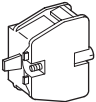
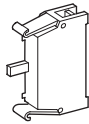


Colour	Flush	
	Black Plastic Front Ring	
	Cat. No.	PQ
white	800EQ-FA1	1
black	800EQ-FA2	
green	800EQ-FA3	
red	800EQ-FA4	
yellow	800EQ-FA5	
blue	800EQ-FA6	
no cap	800EQ-FA9	☆

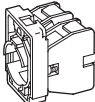
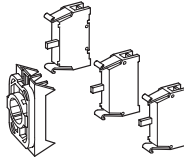
Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
		Latch		800E-A2L	10	800E-A3L	10

Contact Blocks

		Standard		800E-2X10	10	800E-3X10	10
				800E-2X01	10	800E-3X01	10
		Low voltage		800E-2X10V	10	800E-3X10V	10
				800E-2X01V	10	800E-3X01V	10

Contact Blocks including Latches

		Standard		800E-2LX10	1	800E-3LX10	1
				800E-2LX01	1	800E-3LX01	1
				800E-2LX11	1	800E-3LX11	1
				800E-2LX20	1	800E-3LX20	1
				800E-2LX02	1	800E-3LX02	1
							

Options	Cat. No. Suffix	Description	Ordering Example
☆ Packaging quantity	Blank	≡ Single package (1 piece standard delivery)	800EQ-FA1
	-BP	≡ Package of 10 pieces	800EQ-FA1-BP

PQ = Package Quantity

Contact Blocks - Page 11-73
 Accessories - Page 11-78
 Specifications - Page 11-116
 Dimensions - Page 11-120

Illuminated Momentary Push Buttons



Colour	Flush		Raised	
	Black Plastic Front Ring		Black Plastic Front Ring	
	Cat. No.	PQ	Cat. No.	PQ
green	800EQ-LF3	1	800EQ-LE3	1
red	800EQ-LF4		800EQ-LE4	
yellow	800EQ-LF5		800EQ-LE5	
blue	800EQ-LF6		800EQ-LE6	
transparent	800EQ-LF7		800EQ-LE7	
no lens	800EQ-LF9		800EQ-LE9	

Illuminated Momentary Push Buttons with Legend Text



Colour	Text	Flush, with Legend Text		Raised, with Legend Text	
		Black Plastic Front Ring		Black Plastic Front Ring	
		Cat. No.	PQ	Cat. No.	PQ
green		800EQ-LF306B	1	—	1
red	O	800EQ-LF405B		800EQ-LE405B	
green	START	800EQ-LF301B		—	
red	STOP	800EQ-LF402B		800EQ-LE402B	
green	ON	800EQ-LF303B		—	
red	OFF	800EQ-LF404B		800EQ-LE404B	

Additional diffuser caps with legend text and symbols see pages 11-91...11-96.
B = Black texts and symbols.

Options		Cat. No. Suffix	Description	Ordering Example
☆	Packaging quantity	Blank	⌵ Single package (1 piece standard delivery)	800EQ-LF9
		-BP	⌵ Package of 10 pieces	800EQ-LF9-BP

PQ = Package Quantity
Incandescent Lights, LED - Page 11-82
Colour Caps - Page 11-85
Accessories - Page 11-78
Dimensions - Page 11-120

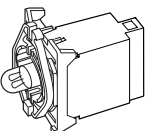
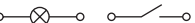
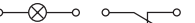
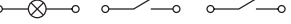
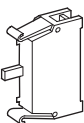
Illuminated Maintained Push Buttons



Colour	Flush	
	Black Plastic Front Ring	
	Cat. No.	PQ
green red yellow blue transparent no lens	800EQ-LFA3 800EQ-LFA4 800EQ-LFA5 800EQ-LFA6 800EQ-LFA7 800EQ-LFA9	1 ★

Lamp Elements and Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
(N.O./N.C. max. 5)	(N.O./N.C. max. 4)	❶ Lamp element max. 250 V		800E-2DL0	1	800E-3DL0	1
		❷ 240 VAC		800E-2RL7	1	800E-3RL7	1
Complete Lamp Elements and Contact Blocks incl. Latches							

	❶ ❷	Lamp element max. 250 V		800E-3DL0X10	1		
				800E-3DL0X01	1		
				800E-3DL0X11	1		
				800E-3DL0X20	1		
Contact Blocks							
		Standard		800E-2X10	10	800E-3X10	10
				800E-2X01	10	800E-3X01	10
		Low voltage		800E-2X10V	10	800E-3X10V	10
				800E-2X01V	10	800E-3X01V	10

- ❶ Please order incandescent lamp or LEDs separately
- ❷ The lamp must correspond to the mains voltage
- ❸ The 240 VAC lamp module halves the voltage and allows the usage of a 130 VAC incandescent lamp. Lamp is included. Usage with LEDs not possible

Options	Cat. No. Suffix	Description	Ordering Example
★ Packaging quantity	Blank	⌌ Single package (1 piece standard delivery)	800EQ-LFA3
	-BP	⌌ Package of 10 pieces	800EQ-LFA3-BP

PQ = Package Quantity

Contact Blocks - Page 11-73
 Incandescent Lights, LED - Page 11-82
 Accessories - Page 11-78
 Specifications - Page 11-116

Non-Illuminated Momentary Mushroom Operators



Colour	Momentary ⌀ 40 mm (Plastic Colour Cap)	
	Black Plastic Front Ring	
	Cat. No.	PQ
white black green red	800EQ-M1 800EQ-M2 800EQ-M3 800EQ-M4	1

Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
		Latch		800E-A2L	10	800E-A3L	10

Contact Blocks

		Standard		800E-2X10	10	800E-3X10	10
				800E-2X01	10	800E-3X01	10
		Low voltage		800E-2X10V	10	800E-3X10V	10
				800E-2X01V	10	800E-3X01V	10

Contact Blocks including Latches

		Standard		800E-2LX10	1	800E-3LX10	1
				800E-2LX01	1	800E-3LX01	1
				800E-2LX11	1	800E-3LX11	1
				800E-2LX20	1	800E-3LX20	1
				800E-2LX02	1	800E-3LX02	1

PQ = Package Quantity

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Dimensions - Page 11-120

Pilot Lights

- Please order incandescent lamp or LEDs separately



Attention: Additional diffuser caps with legend text and symbols see pages 11-91.

Colour	Standard Front Elements, Flush (with Lens and Diffuser Cap and Legend Text)	
	Cat. No.	PQ
green	800EQ-P3	☆
red	800EQ-P4	☆
yellow	800EQ-P5	☆
blue	800EQ-P6	☆
transparent	800EQ-P7	☆

eco-Pilot Lights

- Please order incandescent lamp or LEDs separately



Direct Wire		Colour	Standard			
			Cat. No.	PQ	Cat. No.	PQ
⊕	max. 250 V	green	800EQ-PM3D0	1	800EQ-PM3D0-BP	10
⊕	max. 250 V	red	800EQ-PM4D0	1	800EQ-PM4D0-BP	10
⊕	max. 250 V	yellow	800EQ-PM5D0	1	800EQ-PM5D0-BP	10
⊕	max. 250 V	blue	800EQ-PM6D0	1	800EQ-PM6D0-BP	10
⊕	max. 250 V	transparent	800EQ-PM7D0	1	800EQ-PM7D0-BP	10

Attention: Additional diffuser caps with legend text and symbols see pages 11-91...11-96.

Options	Cat. No. Suffix	Description	Ordering Example
☆ Packaging quantity	Blank	⌵ Single package (1 piece standard delivery)	800EQ-P3
	-BP	⌵ Package of 10 pieces	800EQ-P3-BP

PQ = Package Quantity

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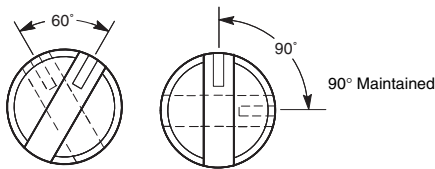
Non-Illuminated Selector Switch Operators, 2 Positions



Standard Knob



Lever



Function Table with Position Front Element ❶ (Switch Angle 60°)		
Contact		
N.O.	O	X
N.C.	X	O

Attention:X = closed / O = open

Colour	Operator Type M = Maintained S = Momentary		Standard Knob		Lever	
			Plastic Front Ring		Plastic Front Ring	
			Cat. No.	PQ	Cat. No.	PQ
Black knob with white text	M	M	800EQ-SM22	1	800EQ-HM22	1
	M←S		800EQ-SR22	1	800EQ-HR22	1
	S→M ❶		800EQ-SL22	1	800EQ-HL22	1

❶ Function table for momentary left is reverse mirror-image to the shown table above.

Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
		Latch		800E-A2L	10	800E-A3L	10

Contact Blocks

		Standard		800E-2X10	10	800E-3X10	10
				800E-2X01	10	800E-3X01	10
		Low voltage		800E-2X10V	10	800E-3X10V	10
				800E-2X01V	10	800E-3X01V	10

Contact Blocks including Latches

		Standard		800E-2LX10	1	800E-3LX10	1
				800E-2LX01	1	800E-3LX01	1
				800E-2LX11	1	800E-3LX11	1
				800E-2LX20	1	800E-3LX20	1
				800E-2LX02	1	800E-3LX02	1

PQ = Package Quantity

Contact Blocks - Page 11-73
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Non-Illuminated Selector Switch Operators, 2 Positions

800- **EQ** – **S** **M2** **2**
a b c d

a

Operator Type	
Code	Description
EQ	Plastic operator

b

Knob Type	
Code	Description
S	Standard knob
H	Lever

c

Operator Function		
Code	Description	
M2	Maintained (60° Switch Angles)	
N2	Maintained (Switch angle 90°) ❶	
L2	Spring return form left (Switch angle 60°)	
R2	Spring return form right (Switch angle 60°)	

d

Colour		
Code	Knob	Text
1	white	black
2	black	white
3	green	white
4	red	white
5	yellow	black
6	blue	white
8	grau	white

❶ 30 mm mounting distance is not possible with lever. Mounting distance see also page 11-120

Non-Illuminated Selector Switch Operators, 3 Positions

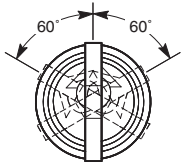


Standard Knob



Lever

Switch Angles



Standard Function Table (without Option e) for Front Element (Switch Angles 60°)				
Contact	Position on Latch			
N.O.	left	X	O	O
N.O.	right	O	O	X
N.C.	left	O	X	X
N.C.	right	X	X	O

Attention: X = closed / O = open

Colour	Operator Type M = Maintained S = Momentary			Standard Knob		Lever	
				Plastic Front Ring		Plastic Front Ring	
				Cat. No.	PQ	Cat. No.	PQ
Black knob with white text	M	M	M	800EQ-SM32	1	800EQ-HM32	1
	M	M	←S	800EQ-SR32	1	800EQ-HR32	1
	S	→M	M	800EQ-SL32	1	800EQ-HL32	1
	S	→M	←S	800EQ-SB32	1	800EQ-HB32	1

Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
		Latch		800E-A2L	10	800E-A3L	10

Contact Blocks

		Standard		800E-2X10	10	800E-3X10	10
				800E-2X01	10	800E-3X01	10
		Low voltage		800E-2X10V	10	800E-3X10V	10
				800E-2X01V	10	800E-3X01V	10

Contact Blocks including Latches

		Standard		800E-2LX10	1	800E-3LX10	1
				800E-2LX01	1	800E-3LX01	1
				800E-2LX11	1	800E-3LX11	1
				800E-2LX20	1	800E-3LX20	1
				800E-2LX02	1	800E-3LX02	1

PQ = Package Quantity

Contact Blocks - Page 11-73
Accessories - Page 11-78
Specifications - Page 11-116
Dimensions - Page 11-120

Non-Illuminated Selector Switch Operators, 3 Positions

800- EQ – S M3 3

a b c d e

a

Operator Type	
Code	Description
EQ	Plastic operator

b

Knob Type	
Code	Description
S	Standard knob
H	Lever

c

Operator Function	
Code	Description
M3	Maintained
L3	Spring return from left
R3	Spring return from right
B3	Spring return from left and right

d

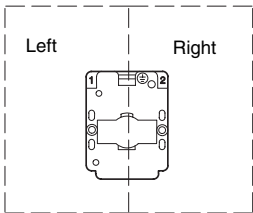
Colour		
Code	Knob	Text
1	white	black
2	black	white
3	green	white
4	red	white
5	yellow	black
6	blue	white
8	grau	white

e

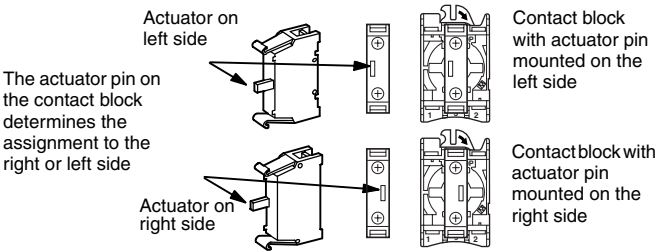
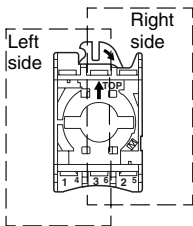
Function Table with Option e (without Option e see page 11-58)				
Operator position viewed from the front			C1	
			Position of the contact block viewed from the back	
			left side	right side
X	O	O	—	N.O.
O	X	O	N.C. or N.C.	
O	O	X	N.O.	—
X	X	O	N.C.L.B.	—
O	X	X	—	N.C.L.B.
X	O	X	N.O.E.M. or N.O.E.M.	

Attention:X = closed / O = open

2-Across Latch



3-Across Latch



Non-Illuminated Selector Switch Operators, 4 Positions



Standard Knob



Lever

Switch Angles

Standard Function Table for Front Element 1 (Switch Angles 45°)					
Contact	Position on Latch				
N.O.	Right	X	O	O	O
N.C.	Right	O	X	O	O
N.O.	Left	O	O	X	O
N.C.	Left	O	O	O	X
N.O.E.M.	Left	X	X	X	O
N.C.L.B.	Left	X	X	O	X
N.O.E.M.	Right	X	O	X	X
N.C.L.B.	Right	O	X	X	X

Attention: X = closed / O = open

Colour	Operator Type M = Maintained S = Momentary				Standard Knob		Lever	
					Plastic Front Ring		Plastic Front Ring	
					Cat. No.	PQ	Cat. No.	PQ
Black knob with white text	M M M M				800EQ-SM42	1	800EP-HM42	1
	S→M M M				800EQ-SL42	1	800EQ-HL42	1
	M M M←S				800EQ-SR42	1	800EQ-HR42	1
	S→M M←S				800EQ-SB42	1	800EQ-HB42	1

Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
		Latch		800E-A2L	10	800E-A3L	10

Contact Blocks

		Standard		800E-2X10	10	800E-3X10	10
				800E-2X01	10	800E-3X01	10
		Low voltage		800E-2X10V	10	800E-3X10V	10
				800E-2X01V	10	800E-3X01V	10

Contact Blocks including Latches

		Standard		800E-2LX10	1	800E-3LX10	1
				800E-2LX01	1	800E-3LX01	1
				800E-2LX11	1	800E-3LX11	1
				800E-2LX20	1	800E-3LX20	1
				800E-2LX02	1	800E-3LX02	1

PQ = Package Quantity

Contact Blocks - Page 11-73
Accessories - Page 11-78
Specifications - Page 11-116
Dimensions - Page 11-120

Non-Illuminated Selector Switch Operators, 4 Positions

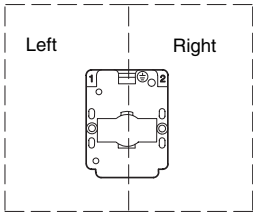
800- EQ – S M4 2

a b c d

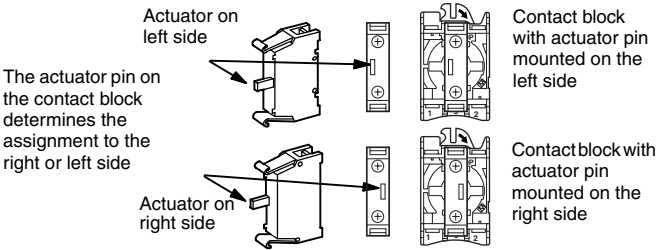
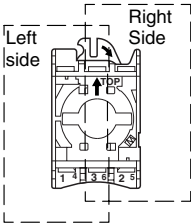
a		c		d		
Operator Type		Operator Function		Colour		
Code	Description	Code	Description	Code	Knob	Text
EQ	Plastic operator			1	white	black
		M4	Maintained	2	black	white
				3	green	white
		L4	Spring return from left	4	red	white
				5	yellow	black
		R4	Spring return from right	6	blue	white
		B4	Spring return from left and right			

b	
Knob Type	
Code	Description
S	Standard knob
H	Lever

2-Across Latch



3-Across Latch



Illuminated Selector Switch Operators, 2 Positions

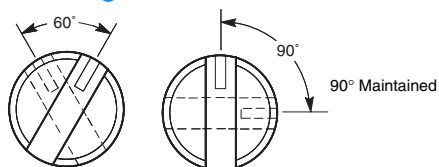


Standard Knob



Lever

Switch Angles



Function Table with Position Front Element ④ (Switch Angles 60°)

Contact		
N.O.	O	X
N.C.	X	O

Attention: X = closed / O = open

Colour	Operator Type M = Maintained S = Momentary	Standard Knob		Lever	
		Plastic Front Ring		Plastic Front Ring	
				Cat. No.	PQ
Red knob with white text	M M			800EQ-LSM24	1
	M←S			800EQ-LSR24	1
	S→M ④			800EQ-LSL24	1

④ Function table for momentary left is reverse mirror-image to the shown table above.

Lamp Elements and Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
 (N.O./N.C. max. 5)	 (N.O./N.C. max. 4)	① Lamp element max. 250 V		800E-2DL0	1	800E-3DL0	1
		③ 240 VAC		800E-2RL7	1	800E-3RL7	1

Complete Lamp Elements and Contact Blocks incl. Latches

	① Lamp element max. 250 V		800E-3DL0X10	1
			800E-3DL0X01	1
			800E-3DL0X11	1
			800E-3DL0X20	1

Contact Blocks

	Standard		800E-2X10	10	800E-3X10	10
			800E-2X01	10	800E-3X01	10
	Low voltage		800E-2X10V	10	800E-3X10V	10
			800E-2X01V	10	800E-3X01V	10

- ① Please order incandescent lamp or LEDs separately
- ② The lamp must correspond to the mains voltage
- ③ The 240 VAC lamp module halves the voltage and allows the usage of a 130 VAC incandescent lamp. Lamp is included. Usage with LEDs not possible

PQ = Package Quantity

Incandescent Lights, LED - Page 11-82
 Contact Blocks - Page 11-73
 Specifications - Page 11-116
 Dimensions - Page 11-120

Illuminated Selector Switch Operators, 2 Positions

800-

EQ

-

LS

M2

1

a

b

c

d

a		c			d		
Operator Type		Operator Function			Colour		
Code	Description	Code	Description		Code	Knob	Text
EQ	Plastic operator	M2	Maintained (Switch angle 60°)		1	white	black
b		N2	Maintained (Switch angle 90°) ❶		3	green	white
Code	Knob Type	L2	Spring return form left (Switch angle 60°)		4	red	white
LS	Standard knob	R2	Spring return form right (Switch angle 60°)		5	yellow	black
LH	Lever				6	blue	white
					7	transparent	black

❶ 30 mm mounting distance is not possible with lever. Mounting distance see also page 11-120

Illuminated Selector Switch Operators, 3 Positions

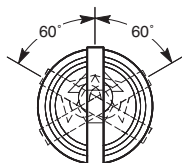


Standard Knob



Lever

Switch Angles



Standard Function Table (without Option e) for Front Element (Switch Angles 60°)

Contact	Position on Latch			
N.O.	Left	X	O	O
N.O.	Right	O	O	X
N.C.	Left	O	X	X
N.C.	Right	X	X	O

Attention: X = closed / O = open

Colour	Operator Type M = Maintained S = Momentary			Standard Knob		Lever	
				Plastic Front Ring		Plastic Front Ring	
				Cat. No.	PQ	Cat. No.	PQ
Red knob with white text	M	M	M	800EQ-LSM34	1	800EQ-LHM34	1
	M	M←S		800EQ-LSR34	1	800EQ-LHR34	1
	S→M	M		800EQ-LSL34	1	800EQ-LHL34	1
	S→M←S			800EQ-LSB34	1	800EQ-LHB34	1

Lamp Elements and Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
 (N.O./N.C. max. 5)	 (N.O./N.C. max. 4)	① Lamp element max. 250 V		800E-2DL0	1	800E-3DL0	1
		③ 240 VAC		800E-2RL7	1	800E-3RL7	1

Complete Lamp Elements and Contact Blocks incl. Latches

	① ②	Lamp element max. 250 V			800E-3DL0X10	1
					800E-3DL0X01	1
					800E-3DL0X11	1
					800E-3DL0X20	1

Contact Blocks

		Standard		800E-2X10	10	800E-3X10	10
				800E-2X01	10	800E-3X01	10
		Low voltage		800E-2X10V	10	800E-3X10V	10
				800E-2X01V	10	800E-3X01V	10

① Please order incandescent lamp or LEDs separately

② The lamp must correspond to the mains voltage

③ The 240 VAC lamp module halves the voltage and allows the usage of a 130 VAC incandescent lamp. Lamp is included. Usage with LEDs not possible

PQ = Package Quantity

Incandescent Lights, LED - Page 11-82

Contact Blocks - Page 11-73

Specifications - Page 11-116

Dimensions - Page 11-120

Illuminated Selector Switch Operators, 3 Positions

800- EP – LS M3 3
a b c d e

a

Operator Type	
Code	Description
EQ	Plastic operator

b

Knob Type	
Code	Description
LS	Standard knob
LH	Lever

c

Operator Function	
Code	Description
M3	Maintained
L3	Spring return from left
R3	Spring return from right
B3	Spring return from left and right

d

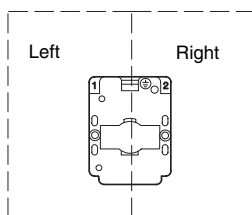
Colour		
Code	Knob	Text
1	white	black
3	green	white
4	red	white
5	yellow	black
6	blue	white
7	transparent	black

e

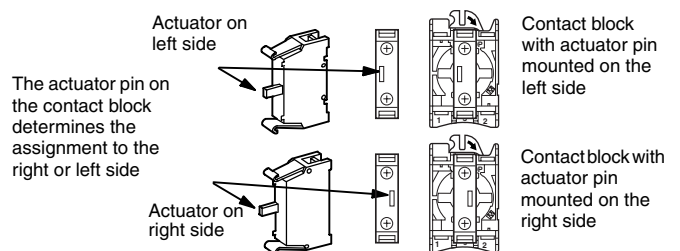
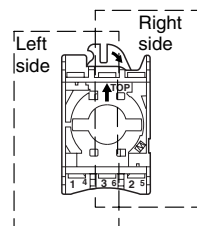
Function Table with Option e (without Option e see page 11-64)					
Operator position viewed from the front			C1		
			Position of the contact block viewed from the back		
			Left side	Right side	
X	O	O	—	N.O.	
O	X	O	N.C. or N.C.		
O	O	X	N.O.	—	
X	X	O	N.C.L.B.	—	
O	X	X	—	N.C.L.B.	
X	O	X	N.O.E.M. or N.O.E.M.		

Attention: X = closed / O = open

2-Across Latch



3-Across Latch



Options	Cat. No. Suffix	Description	Ordering Example
☆ Packaging quantity	Blank	⌞ Single package (1 piece standard delivery)	800EQ-LSM39
	-BP	⌞ Package of 10 pieces	800EQ-LSM39-BP

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 Accessories - Page 11-78
 Specifications - Page 11-116
 Dimensions - Page 11-120

Illuminated Selector Switch Operators, 4 Positions



Standard Knob



Lever

Switch Angles

Standard Function Table for Front Element (Switch Angle 45°)

Contact	Position on Latch				
N.O.	Right	X	O	O	O
N.C.	Right	O	X	O	O
N.O.	Left	O	O	X	O
N.C.	Left	O	O	O	X
N.O.E.M.	Left	X	X	X	O
N.C.L.B.	Left	X	X	O	X
N.O.E.M.	Right	X	O	X	X
N.C.L.B.	Right	O	X	X	X

Attention: X = closed / O = open

Colour	Operator Type M = Maintained S = Momentary				Standard Knob		Lever	
					Plastic Front Ring		Plastic Front Ring	
					Cat. No.	PQ	Cat. No.	PQ
Red knob with white text	M	M	M	M	800EQ-LSM44	1	800EQ-LHM44	1
	S→M	M	M		800EQ-LSL44	1	800EQ-LHL44	1
	M	M	M←S		800EQ-LSR44	1	800EQ-LHR44	1
	S→M	M←S			800EQ-LSB44	1	800EQ-LHB44	1

Lamp Elements and Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
		① Lamp element max. 250 V		800E-2DL0	1	800E-3DL0	1
		③ 240 VAC		800E-2RL7	1	800E-3RL7	1

Complete Lamp Elements and Contact Blocks incl. Latches

		① ② Lamp element max. 250 V		800E-3DL0X10	1
				800E-3DL0X01	1
				800E-3DL0X11	1
				800E-3DL0X20	1

Contact Blocks

		Standard		800E-2X10	10	800E-3X10	10
				800E-2X01	10	800E-3X01	10
		Low voltage		800E-2X10V	10	800E-3X10V	10
				800E-2X01V	10	800E-3X01V	10

① Please order incandescent lamp or LEDs separately

② The lamp must correspond to the mains voltage

③ The 240 VAC lamp module halves the voltage and allows the usage of a 130 VAC incandescent lamp. Lamp is included. Usage with LEDs not possible

PQ = Package Quantity

Incandescent Lights, LED - Page 11-82

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Illuminated Selector Switch Operators, 4 Positions

800-

EQ

-

LS

M4

2

a

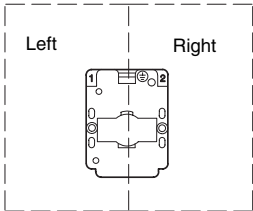
b

c

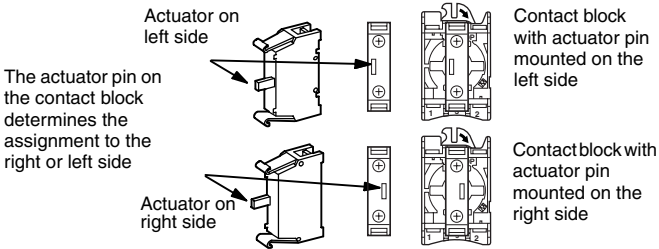
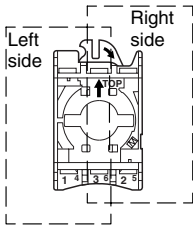
d

a		c		d		
Operator Type		Operator Function		Colour		
Code	Description	Code	Description	Code	Knob	Text
EQ	Plastic operator	M4	Maintained	1	white	black
b		L4	Spring return from left	3	green	white
Code	Description			4	red	white
LS	Standard knob	R4	Spring return form right	5	yellow	black
LH	Lever	B4	Spring return form left and right	6	blue	white
				7	transparent	black

2-Across Latch



3-Across Latch

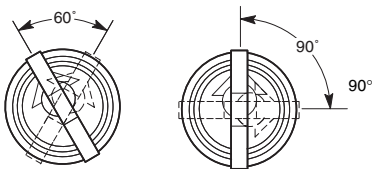


Contact Blocks - Page 11-73
Accessories - Page 11-78
Specifications - Page 11-116
Dimensions - Page 11-120

Key Operated Selector Switch Operators with Key Lock "Ronis", 2 Positions



Switch Angles



Function Table with Position Front Element ② (Switch Angles 60°)		
Contact		
N.O.	O	X
N.C.	X	O

Attention: X = closed / O = open

Control Knob Position	Operator Type M = Maintained S = Momentary		Key Lock "Ronis 455"	
			Cat. No.	PQ
Left	M	M	800EQ-KM2R1R	★
Right	M	M	800EQ-KM2R2R	★
Both sides	M	M	800EQ-KM2R3R	★
Left	M←S		800EQ-KR2R1R	★
Right		S→M ②	800EQ-KL2R2R	★

② Function table for momentary left is reverse mirror-image to the shown table above.

Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
		Latch		800E-A2L	10	800E-A3L	10

Contact Blocks

		Standard		800E-2X10	10	800E-3X10	10
				800E-2X01	10	800E-3X01	10
		Low voltage		800E-2X10V	10	800E-3X10V	10
				800E-2X01V	10	800E-3X01V	10

Contact Blocks including Latches

		Standard		800E-2LX10	1	800E-3LX10	1
				800E-2LX01	1	800E-3LX01	1
				800E-2LX11	1	800E-3LX11	1
				800E-2LX20	1	800E-3LX20	1
				800E-2LX02	1	800E-3LX02	1

① Key operated selector switch operators protection class IP66, Type 4/13

PQ = Package Quantity

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Accessories - Page 11-78
Specifications - Page 11-116
Dimensions - Page 11-120

Key Operated Selector Switch Operators with Key Lock, 2 Positions

800- EQ – KM2 R 1

a b c d e

a

Operator Type	
Code	Description
EQ	Plastic operator

b

Operator Function		
Code	Description	
KM2	Maintained (Switch Angles 60°)	
KN2	Maintained (Switch Angles 90°)	
KL2	Spring return form left (Switch Angles 60°)	
KR2	Spring return form right (Switch Angles 60°)	

c

Key Lock Type	
Code	Description
R	Ronis
Z	Zadi

d

Control Knob Position ⑧	
Code	Description
1	Left
2	Right
3	Both sides

e

Key Lock “Ronis”		Key Lock “Zadi”	
Code	Key No.	Code	Key No.
Blank	3825	Blank	006
R	455	01Z	001
01R	3801	02Z	002
02R	3802	03Z	003
03R	3803	04Z	004
04R	3804	05Z	005
05R	3805	07Z	007
06R	3806	08Z	008
27R	4001	09Z	009
28R	4002	10Z	010
29R	4003	11Z	011
30R	4004	12Z	012
31R	4005	13Z	012
32R	4006	14Z	014
33R	4007	—	—

Spare Keys

Key Lock “Ronis”						Key Lock “Zadi”					
Key number			Passe-partout		Central key		Key number			Passe-partout	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ		Cat. No.	PQ	Cat. No.	PQ
3825	800E-AKR3825	2	800E-AKR3910	2	800E-AKR3901	2	006	800E-AKZ006	2	800E-AKZ109	2
3801	800E-AKR3801	2					001	800E-AKZ001	2		
3802	800E-AKR3802	2					002	800E-AKZ002	2		
3803	800E-AKR3803	2					003	800E-AKZ003	2		
3804	800E-AKR3804	2					004	800E-AKZ004	2		
3805	800E-AKR3805	2					005	800E-AKZ005	2		
3806	800E-AKR3806	2					007	800E-AKZ007	2		
4001	800E-AKR4001	2	800E-AKR3920	2			008	800E-AKZ008	2		
4002	800E-AKR4002	2					009	800E-AKZ009	2		
4003	800E-AKR4003	2					010	800E-AKZ010	2		
4004	800E-AKR4004	2					011	800E-AKZ011	2		
4005	800E-AKR4005	2					012	800E-AKZ012	2		
4006	800E-AKR4006	2					012	800E-AKZ012	2		
4007	800E-AKR4007	2					014	800E-AKZ014	2		
455	800E-AKR455	2									

Options	Cat. No. Suffix	Description	Ordering Example
☆ Packaging quantity	Blank	⌌ Single package (1 piece standard delivery)	800EQ-KM2R1
	-BP	⌌ Package of 10 pieces	800EQ-KM2R1-BP

⑧ Control knob position only possible in maintained position

PQ = Package Quantity

Contact Blocks - Page 11-73
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Key Operated Selector Switch Operators with Key Lock “Ronis”, 3 Positions

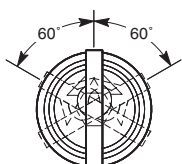


Standard Knob



Lever

Switch Angles



Function Table with Position Front Element (Switch Angle 60°)

Contact	Position on Latch			
N.O.	Left	X	O	O
N.O.	Right	O	O	X
N.C.	Left	O	X	X
N.C.	Right	X	X	O

Attention: X = closed / O = open

Control Knob Position	Operator Type M = Maintained S = Momentary			Key Lock “Ronis 455”	
				Cat. No.	PQ
Left	M	M	M	800EQ-KM3R1R	☆
Right	M	M	M	800EQ-KM3R2R	☆
all positions	M	M	M	800EQ-KM3R3R	☆
Middle	M	M	M	800EQ-KM3R4R	☆
Left+Middle	M	M←S		800EQ-KR3R5R	☆
Left+Right	S→M←S			800EQ-KB3R4R	☆
Middle+Right	S→M←S			800EQ-KL3R7R	☆

Latches

Metal Latches for 2 Elements per Level	Plastic Latches for 3 Elements per Level	Description		Metal Latches for 2 Elements per Level		Plastic Latches for 3 Elements per Level	
		Type	Contact	Cat. No.	PQ	Cat. No.	PQ
		Latch		800E-A2L	10	800E-A3L	10

Contact Blocks

		Standard		800E-2X10	10	800E-3X10	10
				800E-2X01	10	800E-3X01	10
		Low voltage		800E-2X10V	10	800E-3X10V	10
				800E-2X01V	10	800E-3X01V	10

Contact Blocks including Latches

		Standard		800E-2LX10	1	800E-3LX10	1
				800E-2LX01	1	800E-3LX01	1
				800E-2LX11	1	800E-3LX11	1
				800E-2LX20	1	800E-3LX20	1
				800E-2LX02	1	800E-3LX02	1

① Key operated selector switch operators protection class IP66, Type 4/13

PQ = Package Quantity

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Key Operated Selector Switch Operators, 3 Positions

800- **EQ** – **KM3** **R** **2**
 a *b* *c* *d* *e*

a

Operator Type	
Code	Description
EQ	Plastic operator

b

Operator Function		
Code	Description	
KM3	Maintained 60°	
KR3	Spring return form right (Switch Angle 60°)	
KL3	Spring return from left (Switch Angle 60°)	
KB3	Spring return from left and right (Switch Angle 60°)	

c

Key Lock Type	
Code	Description
R	Ronis
Z	Zadi

d

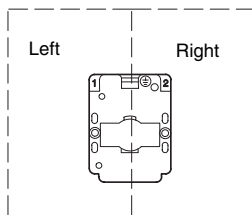
Control Knob Position ③	
Code	Description
1	Left
2	Right
3	all positions
4	Middle
5	Left + Middle
6	Left + Right
7	Right + Middle

e

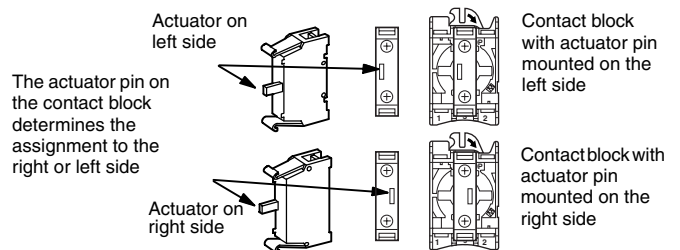
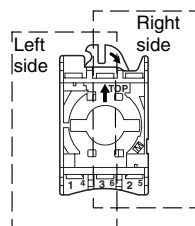
Key Lock "Ronis"		Key Lock "Zadi"	
Code	Key No.	Code	Key No.
Blank	3825	Blank	006
R	455	01Z	001
01R	3801	02Z	002
02R	3802	03Z	003
03R	3803	04Z	004
04R	3804	05Z	005
05R	3805	07Z	007
06R	3806	08Z	008
27R	4001	09Z	009
28R	4002	10Z	010
29R	4003	11Z	011
30R	4004	12Z	012
31R	4005	13Z	012
32R	4006	14Z	014
33R	4007	—	—

Spare keys see page 11-69

2-Across Latch



3-Across Latch



Options	Cat. No. Suffix	Description	Ordering Example
☆ Packaging quantity	Blank	⌒ Single package (1 piece standard delivery)	800EQ-KM3R1
	-BP	⌒ Package of 10 pieces	800EQ-KM3R1-BP

③ Control knob position only possible in maintained position

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Reset Operators



Colour	Text	Flush	
		Black Plastic Front Ring	
		Cat. No.	PQ
red blue blue no cap	RESET RESET R	800EQ-R407W 800EQ-R607W 800EQ-R611W 800EQ-R9	1

Colour cap see page 11-91



Reset Rods



Reset Rod Length	Adjustable Length	Reset Rods with Reset Plate Ø 12.6 mm		Reset Rods with Reset Plate Ø 35 mm	
[mm]	[mm]	Cat. No.	PQ	Cat. No.	PQ
36	34...52	800E-ATR01	1	800E-ATR01L	1
51	50...67	800E-ATR02		800E-ATR02L	
66	65...83	800E-ATR03		800E-ATR03L	
81	80...98	800E-ATR04		800E-ATR04L	
97	95...113	800E-ATR05		800E-ATR05L	
112	110...128	800E-ATR06		800E-ATR06L	
127	126...144	800E-ATR07		800E-ATR07L	
142	141...159	800E-ATR08		800E-ATR08L	
312	34...326 ❶	800E-ATR19		800E-ATR19L	

❶ Detachable rods available in any length (thread continuous)

PQ = Package Quantity

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Control and Indicating Devices

Product Selection: Contact Blocks, Lamp and Transformer Elements

Contact Blocks, Lamp and Transformer Elements for Front Mounting (3 Across)

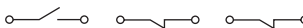
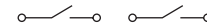
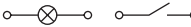
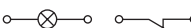
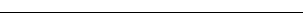
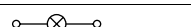
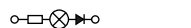
	Description				Cat. No.	PQ		
	Plastic Latch 3 across elements snap-on				800E-A3L	10		
	Contact Element Max. 2 across		N.O.		800E-3X10	10		
			N.C.		800E-3X01			
			N.O.E.M.		800E-3X10E			
			N.C.L.B.		800E-3X01L			
			N.O. (Low voltage) gold plated contacts		800E-3X10V			
			N.C. (Low voltage) gold plated contacts		800E-3X01V			
	Lamp Element Please order incandescent lamps or LEDs separately		Standard	 max. 250 V	800E-3D0	10		
			With diode and resistor ❶  240 VAC		800E-3R7			
	Lamp Element with Central Lamp Check Please order incandescent lamps or LEDs separately		Central lamp check		800E-3DD0	10		
			With diode and resistor ❶  240 VAC		800E-3RDD7			
	Transformer Element 50/60 Hz with Lamp Element Please order incandescent lamps or LEDs separately					1		
			primary		secondary			
			120 V	50/60 Hz	6 V		1.2 VA	800E-3T5
			240 V	50/60 Hz	6 V		1.2 VA	800E-3T7
			400 V	50/60 Hz	6 V		1.2 VA	800E-3T10
			440/480	50/60 Hz	6 V		1.2 VA	800E-3T12
			600 V	50/60 Hz	6 V		1.2 VA	800E-3T14
			240 V	50/60 Hz	24 V		1.2 VA	800E-3TH7
400 V	50/60 Hz	24 V	1.2 VA	800E-3TH10				

❶ The 240 VAC lamp module halves the voltage and allows the usage of a 130 VAC incandescent lamp.
Usage with LEDs not possible

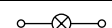
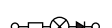
PQ = Package Quantity

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Pre-Assembled Back-of-Panel Components (Latch Included)

		Description	Cat. No.	PQ
	Contact Element	N.O. 	800E-3LX10	1
		N.C. 	800E-3LX01	
		N.O. - N.C. 	800E-3LX11	
		N.O. - N.C. - N.C. 	800E-3LX12	
		N.O. - N.O. 	800E-3LX20	
		N.O. - N.O. - N.C. 	800E-3LX21	
	Lamp and Contact Elements • Please order incandescent lamps or LEDs separately	 max. 250 V	800E-3DL0X10	1
		 max. 250 V	800E-3DL0X01	
		 max. 250 V	800E-3DL0X11	
		 max. 250 V	800E-3DL0X20	
	Lamp Element	 ② max. 250 V	800E-3DL0	1
		 ① 240 VAC	800E-3RL7	

Back of Panel Components for Base Mounting (3 Across)

	Contact Element	N.O. 	800E-3BX10	10
		N.C. 	800E-3BX01	
		N.O.E.M. 	800E-3BX10E	
		N.C.L.B. 	800E-3BX01L	
	Lamp Element	Standard ②  max. 250 V	800E-3DB0	10
		With diode and resistor ①  240 VAC	800E-3RB7	

① The 240 VAC lamp module halves the voltage and allows the usage of a 130 VAC incandescent lamp. Lamp is included. Usage with LEDs not possible

② Please order incandescent lamps or LEDs separately

PQ = Package Quantity

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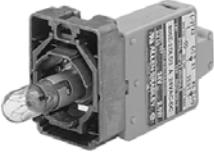
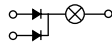
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Control and Indicating Devices

Product Selection: Contact Blocks, Lamp and Transformer Elements

Product Selection: Contact Blocks, Lamp and Transformer Elements for Front Mounting (2 Across)

	Description		Cat. No.	PQ
	Metal Latch • 2 across snap on		800E-A2L	10
	Contact Blocks Screw-down • max. 3 across	N.O. 	800E-2X10	10
		N.C. 	800E-2X01	
		N.O.E.M. 	800E-2X10E	
		N.C.L.B. 	800E-2X01L	
		N.O. (Low voltage) gold plated contacts	800E-2X10V	
		N.C. (Low voltage) gold plated contacts	800E-2X01V	
	Lamp Elements (incl. Latch)	Standard ② 	800E-2DL0	1
		With resistor ①  120 VAC 240 VAC	800E-2RL5 800E-2RL7	
	Lamp Element with Central Lamp Check (incl. Latch) • Incandescent lamp included	With central lamp check  24 VAC 120 VAC	800E-2DDL3 800E-2DDL5	1
	Transformer Element 50/60 Hz with Lamp Element (incl. Latch) • Please order incandescent lamps or LEDs separately	primary	secondary	1
		110...120 V 50/60 Hz	6 V 1.2 VA	
		208 V 50/60 Hz	6 V 1.2 VA	
		220...240 V 50/60 Hz	6 V 1.2 VA	
		400 V 50/60 Hz	6 V 1.2 VA	
		440/480 V 50/60 Hz	6 V 1.2 VA	
		600 V 50/60 Hz	6 V 1.2 VA	
	Dove Tail Interlock		800E-A2DT	100
	Ground Screw Kit		800E-AGS1	10

① The 240 VAC lamp module halves the voltage and allows the usage of a 130 VAC incandescent lamp. The 120 VAC lamp module reduces the voltage by 10 % and extends the lifespan in this way. The incandescent lamp is included. Usage with LEDs not possible

② Please order incandescent lamps or LEDs separately

PQ = Package Quantity

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Enclosures for Base Mounting Empty with Metric Screwing

Enclosures for Base Mounting Plastic

Protection class IP 66

	Type ①②③	Number of Holes	Only for Base Mounting ④	
			Cat. No.	PQ
	Plastic Gray Empty with ø 22.5 mm mounting holes 2 cable entry holes, one ø 21.5 mm knock-out cable entry above and one cable gland below	1 2 3 5	800E-1PM 800E-2PM 800E-3PM 800E-5PM	1
	Plastic Yellow Empty with ø 22.5 mm mounting holes	1 2 3 5	800E-1PYM 800E-2PYM 800E-3PYM 800E-5PYM	1

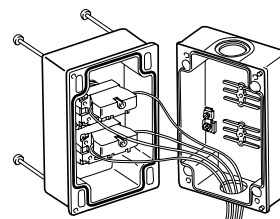
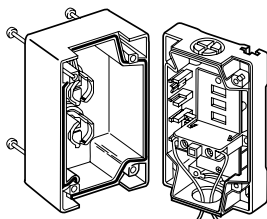
Enclosures for Base Mounting Aluminium

Protection class IP 66

	Type ⑤ ④	Number of Holes	With Base Mounting Adapter ⑥⑥		Without Base Mounting Adapter	
			Cat. No.	PQ	Cat. No.	PQ
	Aluminium painted grey Empty with ø 22.5 mm mounting holes and spacer 2 cable entry holes ø 23 mm	1 2 3 5	800E-1MM 800E-2MM 800E-3MM 800E-5MM	1	800E-1LM 800E-2LM 800E-3LM 800E-5LM	1
	Aluminium painted grey Empty with ø 22.5 mm mounting holes and spacer	1	800E-1MYM	1	800E-1LYM	1

For Base Mounting only ⑥⑥

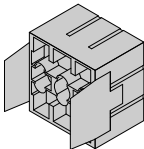
Front or Base Mounting with Adapter, Cat. No. 800E-A3BA



11

- ① Legend plate for enclosure Cat. No. 800E-19AE100
- ② Usage of legend plates with base mounting contacts not possible. Alternative: Colour caps with symbols
- ③ If legend plates are prescribed, the enclosure must horizontally be mounted and elements with latch must be used
- ④ Transformer elements for latch or 2 across contact blocks are not possible
- ⑤ Base mounted contact blocks may not be mounted in center position

Accessories for Base Mounting Enclosures

	Description	Cat. No.	PQ
	Ground Screw Kit for use in plastic enclosures only	800E-AGS2	10
	Spacer for fixing the base mounting elements in enclosures (only as a spare part)	800E-A3BA	10

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Control Enclosures

	Type	Description	Enclosure Colour	Diffuser Text	Contact Block	Cat. No.	PQ
	Control Enclosures without unit	One control point on the front	black	blank	—	800E-P12	1
		Two control points on the front				800E-P22	1
		One control point on the bottom				800E-P32	1
		One control point on the front and one on the bottom				800E-P42	1
		One control point on the front	yellow	blank	—	800E-P15	1
		Two control points on the front				800E-P25	1
		One control point on the bottom				800E-P35	1
		One control point on the front and one on the bottom				800E-P45	1
	Control Enclosure with mini rapid action coupling and 2 built-in control units on the front		yellow	↑, ↓	N.O. - N.O.	800E-P251	1
				FORWARD-REVERSE	N.O. - N.O.	800E-P252	1
				ON-OFF	N.O. - N.C.	800E-P253	1
				START-STOP	N.O. - N.C.	800E-P254	1
				Diffuser blank	N.O. - N.O.	800E-P255	1
	Control enclosure with 24 VAC/DC mini quick change	Momentary illuminated push buttons (raised, red LED) bottom Without control units on the front	yellow	blank	N.O.	800E-PN1	1
		Indicating units (red LED) bottom. Front push button (flush, green)				800E-PN2	1
	DeviceNet™ Control enclosures with 24 VAC/DC mini quick change	Momentary illuminated push buttons (raised, red LED) bottom Without control units on the front				800E-PND1	1
		Indicating units (red LED) bottom. Front push button (flush, green)				800E-PND2	1

Specifications

Rated Operating Current	[mA]	50 RMS, 100 peak @ 24V DC							
Rated Operating Voltage	DC [V]	11...25							
Approvals		UL listed, cUL certified, and CE							
Protection Class		IP66 (IEC 529)/Type 4/4X/13							
Connection		5-pole mini quick change							
Ambient Temperature Operation	[°C(°F)]	-25 ...+55 (-13 ...+131)							
Shock Resistance		50 G, 1/2 sinus wave for 11 ms							
Vibration Resistance		10...2000 Hz, 0.76 mm shifting (peak-peak) max. 5 G max.							
Input / Output Status		Bit 0	Bit 1	Bit 2	Bit 3	Bit 4	Bit 5	Bit 6	Bit 7
Input byte		Input	occupied	occupied	Output status	—	—	—	—
Output byte		Output active	—	—	—	—	—	—	—

Quick Change

Standard, 4-pole Mini Quick Change with Cable			DeviceNet™, 5-pole Mini- Quick Change with Cable		
Length	Cat. No.	PQ	Length	Cat. No.	PQ
1.8 m	889N-F4AF-6F	1	1 m	1485R-P1N5-C	1
3.7 m	889N-F4AF-12F	1	2 m	1485R-P2N5-C	1
6.1 m	889N-F4AF-20F	1	3 m	1485R-P3N5-C	1

Additional cables see sensor catalogue C114 and DN-2.15 DeviceNet™ catalogue.

PQ = Package Quantity

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Locking Attachments

	Description	Cat. No.	PQ	
	Locking Attachment for Flush Non-illuminated Push Buttons - For flush non-illuminated push buttons - Usage: The operator is fastened in actuated position. N.C. contacts are open. N.O. contacts can be opened or closed. N.C.L.B. contacts can be opened or closed. N.O.E.M. contacts are closed	800E-AFL1	1	
	Locking Attachment for Raised Non-illuminated Push Buttons Usage: The operator is fastened in actuated position. N.C. contacts are open. N.O. contacts can be opened or closed. N.C.L.B. contacts can be opened or closed. N.O.E.M. contacts are closed	800E-AEL1	1	
	Description	Locking in Position	Cat. No.	PQ
	Locking Attachment For two position selector switch operators	Right	800E-ASL2R	1
		Left	800E-ASL2L	
		Right 90°	800E-ASL2NR	
	Locking Attachment For three position selector switch operators	Left	800E-ASL3L	1
		Middle	800E-ASL3C	
		Rights	800E-ASL3R	
		Left and middle	800E-ASL3LC	
		Right and middle	800E-ASL3RC	
	Description	For Type	Cat. No.	PQ
	Locking Attachment - For mushroom operator - Usage: The non illuminated muschroom operator is fastened in actuated position. N.C. contacts are open. N.O. contacts can be opened or closed. N.C.L.B. contacts can be opened or closed. N.O.E.M. contacts are closed	800EM-M1, -M2, -M3, -M4, -M5, -M6 800EB-M1, -M2, -M3, -M4, -M5, -M6 800EP-M1, -M2, -M3, -M4, -M5, -M6 800ES-M1, -M2, -M3, -M4, -M5, -M6	800E-AML1	1
		800EM-MP, -LM, -LMP 800ES-MP, -LM, -LMP	800E-AML2	
		800EM-MTS3, -MTS4 800EP-MTS3, -MTS4	800E-AML3	
		800EM-MT, 800EB-MT 800EP-MT, 800ES-MT	800E-AML4	
	Locking Attachment with Locking Cover - For momentary and maintained operators, flush, raised or with raised front ring - For selector switch operators with knob - Potentiometer drive operators	800E-AL01	1	

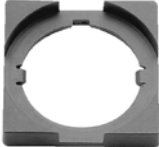
PQ = Package Quantity

	Description	Type	Cat. No.	PQ
	Front Ring Transparent Spare part for all round, illuminated Bulletin 800E control devices	Plastic transparent	800E-ALB1	10
	Plastic Protection Usage: 40 mm Emergency stop (SEMI conform) 40 mm illuminated / non-illuminated as well as momentary and maintained front elements 60 mm illuminated / non-illuminated momentary front elements	yellow	800E-A6PR5	1
		black	800E-A6PR2	
	Metal Protection Illuminated push buttons	Shiny metal	800E-ALG1	10
	40 mm Protective Ring For non-illuminated or illuminated mushroom operators only, 2 position push-pull	Shiny metal	800E-AMRG	1
	40 mm Protective Ring For non-illuminated or illuminated mushroom operators only, 2 position push-pull	Shiny metal	800E-AMMG	10

PQ = Package Quantity

	Description	Type	Cat. No.	PQ	
	Adapter Ring The adapter ring allows a ø 22.5 mm control and indicator unit to be installed into a panel with existing ø 30 mm mounting holes	Shiny metal	800E-AHA1	1	
		Black Metal	800E-AHA2		
 800E-AR1  800E-AR3  800E-AR2	Mounting Ring Nut (Only as Spare Part) For fixing the front elements	Plastic	800E-AR1	10	
		Metal	800E-AR2		
		Special Front Ring for Thick Panels	Metal	800E-AR3	10
 	Square Hole Plug To close spare holes	black	800EQ-N2	1	
		gray	800EQ-N8		
	Round Hole Plug To close spare holes	black	800E-N2	1	
		gray	800E-N8		
	Description	For Use with	Protection Class	Cat. No.	PQ
 800E-AUB2  800E-AUB1  800E-AB7  800EQ-AB7	Sealing cap For multi-function operators	flush	IP66	800E-AUB3	10
		Pos. A or C raised	IP66	800E-AUB2	
		Pos. B raised	IP66	800E-AUB1	
	For push button square	flush	IP66	800EQ-AB7	10
	For push button round	flush	IP66	800E-AB7	10
	For flush and illuminated push buttons	flush	IP66	800E-ABE7	10

PQ = Package Quantity

	Description	Type	Cat. No.	PQ
	Mounting Ring Wrench To tighten the securing nut	Plastic	800E-AW2	1
	Square Front Ring - With square look - For round plastic front element		800E-ABZ1	10
	Lens / Bulb Removal Tool - To exchange incandescent or neon lamps - For fixing the lens cap	Plastic	800E-ALR1	1
	Anti-Twisting Washer Prevents twisting of the front elements for bore holes without anti-twisting cam cut out	Metal	800E-ALC1	10
	Spare Resistor Element	150 Ω	800E-AC1	1
		500 Ω	800E-AC2	
		1 000 Ω	800E-AC3	
		2 500 Ω	800E-AC4	
		5 000 Ω	800E-AC5	
		10 000 Ω	800E-AC6	

PQ = Package Quantity

Incandescent Lamps

	Description	Current Consumption	Voltage	ANSI Number	Cat. No.	PQ
	Incandescent Lamp • With lamp module	150 mA	6 AC/DC	755	800E-N65	10
		80 mA	12 AC/DC	756	800E-N141	
		70 mA	24 AC/DC	757	800E-N157	
		50 mA	48 AC/DC	1835	800E-N48	
	• With transformer module	22 mA	130 AC/DC	949	800E-N130	
	• Flashing	150 mA	6 AC	755	800E-N65	
	• Resistor module	150 mA	6 AC	267	800E-N212	
		20 mA	130 AC/DC	949	800E-N130	

Neon Lamps

	Description	Voltage	Cat. No.	PQ
	Neon Lamp • BA 9s socket	110...127 VAC	800E-N230	10
		220...240 V	800E-N240	10

LEDs

	Description	Current Consumption ❶	Voltage	Leaking Current	Cat. No.	PQ
	LED • With lamp module • BA 9s socket	14 mA/48 mA	6 AC/DC	14 mA	800E-N65x ❷	1
		13 mA/22 mA	12 AC/DC	3.5 mA	800E-N141x ❷	
		13 mA/21 mA	24 AC/DC	3.5 mA	800E-N157x ❷	
		12 mA/17 mA	32 AC/DC	3 mA	800E-N363x ❷	
		9 mA/14 mA	48 AC/DC	3 mA	800E-N48x ❷	
		3.3 mA/6 mA	120 AC	—	800E-N169x ❷	
	• With transformer module	4.5 mA/6.2 mA	130 AC/DC	2.2 mA	800E-N321x ❷	
	• 2 Hz flashing	14 mA/48 mA	6 AC	14 mA	800E-N65x ❷	
		18 mA	24 AC/DC	—	800E-N157Fx ❷	

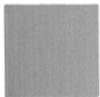
❶ The current consumption depends on the LED colour. The first mA value applies to the green, white and blue LEDs, the second mA value applies to the red and yellow LEDs

❷ To complete the catalogue number exchange **x** by the desired colour: **Amber** (yellow), **Green**, **Red**, **Blue**, or **White**.
White LEDs are available in 6V and 24 VAC/DC

Legend Plate Carriers

	Description	Type	Protection Class	Legend Plate	Cat. No.	PQ
	Legend Plate Carrier To carry legend plates	30 x 40 mm	IP66	Size 6.5 x 27 mm	800E-110	10
		30 x 50 mm	IP66	Size 16.5 x 27 mm	800E-120	10
	Legend Plate Carrier - To carry legend plates - Rounded	30 x 50 mm	IP65	Size 15 x 26 mm	800E-150	10
	Legend Plate Carrier Fixing with double sided scotch tape or with 2 screws	48 x 18 mm	—	Size 15 x 44 mm	800E-160	10
	Legend Plate Carrier for Multi-Function Operators To carry legend plates	30 x 75 mm	IP65	Size 15 x 26 mm	800E-200	10

Legend Plates

	Description	Protection class	for Legend Plate Carrier	Cat. No.	PQ
	Legend Plate - Plastic black, text white - Size 6.5 x 27 mm	IP66	Plastic 30 x 40 mm (Cat. No. 800E-110)	800E-17BE100	10
	Legend Plate - Plastic black, text white - Size 16.5 x 27 mm	IP66	Plastic 30 x 50 mm (Cat. No. 800E-120)	800E-18BE100	10
	Legend Plate - Aluminium, text black - Size 15 x 26 mm	IP65	Anodised metal 30 x 50 mm (Cat. No. 800E-150, -200)	800E-30AE100	10
	Legend Plate - Aluminium, text black - Size 15 x 44 mm	IP65	Anodised metal 48 x 18 mm (Cat. No. 800E-160)	800E-20AE100	10
	Legend Plate for Enclosures - Aluminium, text black - Size 19 x 19 mm	IP66	Can directly be fixed on the enclosure	800E-19AE100	10

Additional legend plates with text and symbols see pages 11-101...11-103



if maintained push buttons are used, legend plate carriers 800E-110, 800E-120 or 800E-150 can not be used.

EMERGENCY STOP Rings

	Description	Legend Text	ø 60 mm		ø 90 mm.	
			Cat. No.	PQ	Cat. No.	PQ
 EMERGENCY STOP Ring - Blank - With legend text		blank	800E-15Y	10	800E-16Y	10
		German	800E-15YG112		800E-16YG112	
		English	800E-15YE112		800E-16YE112	
		French	800E-15YF112		800E-16YF112	
		Multi-lingual g, e, f	800E-15YM112		800E-16YM112	
		Dutch	800E-15YD112		800E-16YD112	
		Spanish	800E-15YS112		800E-16YS112	
		Italian	800E-15YT112		800E-16YT112	
		Swedish	800E-15YW112		800E-16YW112	
		Danish	800E-15YA112		800E-16YA112	
		Finnish	800E-15HS112		800E-16YH112	
		Icelandic	800E-15YL112		800E-16YL112	
		Norwegian	800E-15YN112		800E-16YN112	

PQ = Package Quantity

Control and Indicating Devices

Accessories: Colour Caps / Diffusers - Round

Colour Caps

Two colour Moulded



	Colour Cap Flush White, Text Black		Colour Cap Flush Black, Text White		Colour Cap Flush Green, Text White		Colour Cap Flush Red, Text White		Colour Cap Flush Blue, Text White	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
→ ①	800E-AF108B	10	800E-AF208W	10	800E-AF308W	10	—	10	—	10
I	800E-AF106B		800E-AF206W		800E-AF306W		—		—	
START	800E-AF101B		—		800E-AF301W		—		—	
ON	800E-AF103B		—		800E-AF303W		—		—	
RESET	—		—		—		800E-AF407W		800E-AF607W	
R	—		—		—		—		800E-AF611W	
O	—		800E-AF205W		—		800E-AF405W		—	
STOP	—		800E-AF202W		—		800E-AF402W		—	
OFF	—		800E-AF204W		—		800E-AF404W		—	
FORWARD	800E-AF109B		800E-AF209W		—		—		—	
REVERSE	800E-AF110B		800E-AF210W		—		—		—	
①	800E-AF119B		800E-AF219W		—		—		—	
⊕	800E-AF120B		800E-AF220W		—		—		—	
⊗	800E-AF121B		800E-AF221W		—		—		—	

① Rotation on 90° (→, ↓, ←, ↑)

Colour Caps / Diffuser Caps with Symbols

Hot Stamped, According to DIN 30 600 and ISO R 369



Symbol	Standard	Description	Colour Cap Flush Black, Symbol White	Colour Cap Flush White, Symbol Black	PQ	Diffuser for Illuminated Push Buttons, Symbol Black	PQ	Diffuser for Pilot Lights, Symbol Black	PQ
			Cat. No.	Cat. No.		Cat. No.		Cat. No.	
→	ISO 1	Linear Motion	—	—	10	800E-AD2HY700B	10	800E-AD3HY700B	10
↔	ISO 2	Linear Motion in 2 directions	800E-AF2HY701W	800E-AF1HY701B		800E-AD2HY701B		800E-AD3HY701B	
→	ISO 4	Limited linear motion	800E-AF2HY704W	800E-AF1HY704B		800E-AD2HY704B		800E-AD3HY704B	
↔	ISO 5	Limited linear motion once there and back	800E-AF2HY705W	800E-AF1HY705B		800E-AD2HY705B		800E-AD3HY705B	
↻	DIN 100 ISO 7A	Rotation in direction of the arrow	800E-AF2HY707W	800E-AF1HY707B		800E-AD2HY707B		800E-AD3HY707B	
↻	ISO 7B	Relation in direction of the arrow	800E-AF2HY708W	800E-AF1HY708B		800E-AD2HY708B		800E-AD3HY708B	
∞	ISO 16	Feed	800E-AF2HY720W	800E-AF1HY720B		800E-AD2HY720B		800E-AD3HY720B	
∞	ISO 26	High speed	800E-AF2HY728W	800E-AF1HY728B		800E-AD2HY728B		800E-AD3HY728B	
+	ISO 28	Increase a variable	800E-AF2HY730W	800E-AF1HY730B		800E-AD2HY730B		800E-AD3HY730B	
—	ISO 29	Decrease a variable	800E-AF2HY731W	800E-AF1HY731B		800E-AD2HY731B		800E-AD3HY731B	
⊞	ISO 41	Electric motor	800E-AF2HY800W	800E-AF1HY800B		800E-AD2HY800B		800E-AD3HY800B	
⊞	ISO 48	Pumps in general	800E-AF2HY807W	800E-AF1HY807B		800E-AD2HY807B		800E-AD3HY807B	
↻	ISO 61	Continuous regulation	—	—		800E-AD2HY900B		800E-AD3HY900B	
↻	ISO 62	Continuous adjust- ment	800E-AF2HY921W	800E-AF1HY921B		800E-AD2HY921B		800E-AD3HY921B	
→ ←	ISO 63A	Tighten terminals	800E-AF2HY901W	800E-AF1HY901B		800E-AD2HY901B		—	
↔ ↔	ISO 64A	Release	800E-AF2HY903W	800E-AF1HY903B		800E-AD2HY903B		—	
→ ⊞	ISO 65	Brake on	800E-AF2HY905W	800E-AF1HY905B		800E-AD2HY905B		—	
↔ ⊞	ISO 66	Brake off	800E-AF2HY906W	800E-AF1HY906B		800E-AD2HY906B		—	
⊞	DIN 267	Automatic or semiautomatic cycle	—	—		800E-AD2HY922B		800E-AD3HY922B	

Control and Indicating Devices

Accessories: Colour Caps / Diffusers - Round

Colour Caps / Diffuser Caps with Symbols, Continued

Hot Stamped, According to DIN 30 600 and ISO R 369

Symbol	Standard	Description	Colour Cap Flush Black, Symbol White	Colour Cap Flush White, Symbol Black	PQ	Diffuser for Illuminated Push Buttons, Symbol Black	PQ	Diffuser for Pilot Lights, Symbol Black	PQ
			Cat. No.	Cat. No.		Cat. No.		Cat. No.	
	DIN 35	Manual control	800E-AF2HY908W	800E-AF1HY908B	10	800E-AD2HY908B	10	800E-AD3HY908B	10
	ISO 69	EIN	—	—		800E-AD2HY909B		800E-AD3HY909B	
	ISO 70	OFF	—	—		800E-AD2HY910B		800E-AD3HY910B	
	ISO 71	ON-OFF	—	—		800E-AD2HY919B		—	
	ISO 72	ON whilst push button depressed	—	—		800E-AD2HY920B		—	
	ISO 5232	START	—	—		800E-AD2HY925B		—	
	DIN 46 ISO 74	Disable	800E-AF2HY913W	800E-AF1HY913B		800E-AD2HY913B		—	
	DIN 45 ISO 75	Enable	800E-AF2HY914W	800E-AF1HY914B		800E-AD2HY914B		—	
	ISO 91	Shear pin	—	—		—		800E-AD3HY850B	
	DIN 131 ISO 92	Danger high voltage	—	—		—		800E-AD3HY851B	
	ISO 93	Caution	—	—		—		800E-AD3HY852B	
	ISO 94	Main switch	—	—		—		800E-AD3HY853B	
	DIN 986	Set-up	800E-AF2HY855W	800E-AF1HY855B		800E-AD2HY855B		—	
	DIN 155	Audible signal	800E-AF2HY854W	800E-AF1HY854B		—		800E-AD3HY854B	
	ISO 101	Coolant	800E-AF2HY875W	800E-AF1HY875B		800E-AD2HY875B		—	
	ISO 139 ISO 102	Light	—	—		800E-AD2HY876B		—	
	DIN 256 ISO 104	Filler	—	—		800E-AD2HY878B		800E-AD3HY878B	
	DIN 257 ISO 106	Drain	—	—		800E-AD2HY880B		800E-AD3HY880B	
	DIN 258 ISO 105	Overflow	—	—		800E-AD2HY881B		800E-AD3HY881B	
	DIN 175 ISO 107	Lubrication	800E-AF2HY882W	800E-AF1HY882B		800E-AD2HY882B		800E-AD3HY882B	
	DIN 263 ISO 108	Blowing	800E-AF2HY883W	800E-AF1HY883B		800E-AD2HY883B		800E-AD3HY883B	
	DIN 264 ISO 109	Suction	800E-AF2HY884W	800E-AF1HY884B		800E-AD2HY884B		800E-AD3HY884B	
II		Step 2	800E-AF2HY602W	800E-AF1HY602B		800E-AD2HY602B		—	
III		Step 3	800E-AF2HY603W	800E-AF1HY603B		800E-AD2HY603B		—	
IV		Step 4	800E-AF2HY604W	800E-AF1HY604B		800E-AD2HY604B		—	
V		Step 5	800E-AF2HY605W	800E-AF1HY605B		800E-AD2HY605B		—	
R		Reset	—	—		800E-AD2HY924B		—	



Symbol	Standard	Description	Colour Cap Raised, Red, Symbol White	
			Cat. No.	PQ
	ISO 70	OFF	800E-AE4HY910W	10



Symbol	Standard	Description	Colour Cap Flush, Green, Symbol White	
			Cat. No.	PQ
II		Step 2	800E-AF3HY602W	10

PQ = Package Quantity

Control and Indicating Devices

Accessories: Colour Caps / Diffusers - Round

Colour Caps / Diffuser Caps with Text

Hot Stamped, According to DIN 30 600 and ISO R 369



German	Colour Cap Flush Black, Text White		Diffuser for Illuminated Push Buttons, Text black		Diffuser for Pilot Lights, Text black	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
EIN	—	10	800E-AD2HG03B	10	800E-AD3HG03B	10
AUS	800E-AF2HG04W		800E-AD2HG04B		800E-AD3HG04B	
AUF	800E-AF2HG12W		800E-AD2HG12B		—	
AB	800E-AF2HG13W		800E-AD2HG13B		—	
ZU	800E-AF2HG14W		800E-AD2HG14B		—	
HEBEN	800E-AF2HG15W		800E-AD2HG15B		—	
SENKEN	800E-AF2HG16W		800E-AD2HG16B		—	
RECHTS	800E-AF2HG17W		800E-AD2HG17B		—	
LINKS	800E-AF2HG18W		800E-AD2HG18B		—	
VOR	800E-AF2HG09W		800E-AD2HG09B		—	
ZURUECK	800E-AF2HG10W		800E-AD2HG10B		—	
SCHNELL	800E-AF2HG19W		800E-AD2HG19B		—	
LANGSAM	800E-AF2HG20W		800E-AD2HG20B		—	
EINRICHTEN	800E-AF2HG21W		800E-AD2HG21B		—	
BETRIEB	800E-AF2HG22W		800E-AD2HG22B		800E-AD3HG22B	
START	—		800E-AD2HE01B		800E-AD3HE01B	
STOP	—		800E-AD2HE02B		800E-AD3HE02B	
HAND	800E-AF2HE23W		800E-AD2HE23B		800E-AD3HE23B	
AUTO	800E-AF2HE24W		800E-AD2HE24B		800E-AD3HE24B	
ÖFFNEN	800E-AF2HG05W		—		—	
SCHLIESSEN	800E-AF2HG06W		—		—	
STÖRUNG	800E-AF2HG27W		—		—	
	Colour Cap Flush White, Text Black					
	Cat. No.					
EIN	800E-AF1HG03B					
	Colour Cap Flush Green, Text White					
	Cat. No.					
EIN	800E-AF3HG03W					
	Colour Cap Flush Red, Text White					
	Cat. No.					
AUS	800E-AF4HG04W					
	Colour Cap Raised Red, Text White					
	Cat. No.					
STOP	800E-AE4HE02W					
AUS	800E-AE4HG04W					



English	Colour Cap Flush Black, Text White		Diffuser for Illuminated Push Buttons, Text black		Diffuser for Pilot Lights, Text Black	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
ON	—	10	800E-AD2HE03B	10	800E-AD3HE03B	10
OFF	—		800E-AD2HE04B		800E-AD3HE04B	
UP	800E-AF2HE12W		800E-AD2HE12B		—	
DOWN	800E-AF2HE13W		800E-AD2HE13B		—	
CLOSE	800E-AF2HE14W		800E-AD2HE14B		—	
RAISE	800E-AF2HE15W		800E-AD2HE15B		—	
LOWER	800E-AF2HE16W		800E-AD2HE16B		—	
RIGHT	800E-AF2HE17W		800E-AD2HE17B		—	
LEFT	800E-AF2HE18W		800E-AD2HE18B		—	
FAST	800E-AF2HE19W		800E-AD2HE19B		—	
SLOW	800E-AF2HE20W		800E-AD2HE20B		—	
SET—UP	800E-AF2HE21W		800E-AD2HE21B		—	

Control and Indicating Devices

Accessories: Colour Caps / Diffusers - Round

Colour Caps / Diffuser Caps with Text, Continued

Hot Stamped, According to DIN 30 600 and ISO R 369

English (Continued)	Colour Cap Flush Black, Text White		Diffuser for Illuminated Push Buttons, Text black		Diffuser for Pilot Lights, Text Black	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
RUN	800E-AF2HE22W	10	800E-AD2HE22B	10	800E-AD3HE22B	10
START	—		800E-AD2HE01B		800E-AD3HE01B	
STOP	—		800E-AD2HE02B		800E-AD3HE02B	
HAND	800E-AF2HE23W		800E-AD2HE23B		800E-AD3HE23B	
AUTO	800E-AF2HE24W		800E-AD2HE24B		800E-AD3HE24B	
TRIP	800E-AF2HE25W		800E-AD2HE25B		800E-AD3HE25B	
POWER ON	800E-AF2HE26W		800E-AD2HE26B		800E-AD3HE26B	
FAULT	800E-AF2HE27W		800E-AD2HE27B		800E-AD3HE27B	
OPEN	800E-AF2HE05W		800E-AD2HE05B		—	
	Colour Cap Flush Green, Text White					
	Cat. No.					
JOG	800E-AF3HE38W					
	Colour Cap Raised Red, Text White					
	Cat. No.					
STOP	800E-AE4HE02W					
OFF	800E-AE4HE04W					



French	Colour Cap Flush Black, Text White		Diffuser for Illuminated Push Buttons, Text Black		Diffuser for Pilot Lights, Text Black	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
MARCHE	—	10	800E-AD2HF03B	10	800E-AD3HF03B	10
ARRET	800E-AF2HF04W		800E-AD2HF04B		800E-AD3HF04B	
OUVRIR	800E-AF2HF12W		800E-AD2HF12B		—	
DESCENDRE	800E-AF2HF13W		800E-AD2HF13B		—	
FERMER	800E-AF2HF14W		800E-AD2HF14B		—	
MONTER	800E-AF2HF15W		800E-AD2HF15B		—	
DROITE	800E-AF2HF17W		800E-AD2HF17B		—	
GAUCHE	800E-AF2HF18W		800E-AD2HF18B		—	
AVANT	800E-AF2HF09W		800E-AD2HF09B		—	
ARRIERE	800E-AF2HF10W		800E-AD2HF10B		—	
RAPIDE	800E-AF2HF19W		800E-AD2HF19B		—	
LENT	800E-AF2HF20W		800E-AD2HF20B		—	
REGLER	800E-AF2HF21W		800E-AD2HF21B		—	
EN SERVICE	800E-AF2HF22W		800E-AD2HF22B		800E-AD3HF22B	
START	—		800E-AD2HE01B		800E-AD3HE01B	
STOP	—		800E-AD2HE02B		800E-AD3HE02B	
MANUEL	800E-AF2HF23W		800E-AD2HF23B		800E-AD3HF23B	
AUTO	800E-AF2HE24W		800E-AD2HE24B		800E-AD3HE24B	
FAUTE	800E-AF2HF27W		800E-AD2HF27B		800E-AD3HF27B	
	Colour Cap Flush White, Text Black					
	Cat. No.					
MARCHE	800E-AF1HF03B					
	Colour Cap Flush Green, Text White					
	Cat. No.					
MARCHE	800E-AF3HF03W					
ARRIERE	800E-AF3HF10W					
	Colour Cap Flush Red, Text White					
	Cat. No.					
ARRET	800E-AF4HF04W					

PQ = Package Quantity

Colour Caps / Diffuser Caps with Text, Continued

Hot Stamped, According to DIN 30 600 and ISO R 369

French (Continued)	Colour Cap Raised Red, Text White		PQ		
	Cat. No.				
STOP	800E-AE4HE02W		10		
ARRET	800E-AE4HF04W				



Italian	Colour Cap Flush Black, Text White		PQ	Diffuser for Illuminated Push Buttons, Text Black		PQ	Diffuser for Pilot Lights, Text Black		PQ
	Cat. No.			Cat. No.			Cat. No.		
INSERIRE	—		10	800E-AD2HT03B		10	800E-AD3HT03B		10
DISINSERIRE	800E-AF2HT04W			800E-AD2HT04B			800E-AD3HT04B		
APRIRE	800E-AF2HT12W			800E-AD2HT12B			—		
DISCESA	800E-AF2HT13W			800E-AD2HT13B			—		
CHIUDERE	800E-AF2HT14W			800E-AD2HT14B			—		
SALITA	800E-AF2HT15W			800E-AD2HT15B			—		
ABBASSARE	800E-AF2HT16W			800E-AD2HT16B			—		
DESTRA	800E-AF2HT17W			800E-AD2HT17B			—		
SINISTRA	800E-AF2HT18W			800E-AD2HT18B			—		
AVANTI	800E-AF2HT09W			800E-AD2HT09B			—		
INDIETRO	800E-AF2HT10W			800E-AD2HT10B			—		
RAPIDO	800E-AF2HT19W			800E-AD2HT19B			—		
LENTO	800E-AF2HT20W			800E-AD2HT20B			—		
PREPARA	800E-AF2HT21W			800E-AD2HT21B			—		
IN SERVIZIO	800E-AF2HT22W			800E-AD2HT22B			800E-AD3HT22B		
START	—			800E-AD2HE01B			800E-AD3HE01B		
STOP	—			800E-AD2HE02B			800E-AD3HE02B		
MANUALE	800E-AF2HT23W			800E-AD2HT23B			800E-AD3HT23B		
AUTO	800E-AF2HE24W			800E-AD2HE24B			800E-AD3HE24B		
	Colour Cap Flush White, Text Black		10						
	Cat. No.								
INSERIRE	800E-AF1HT03B								
	Colour Cap Flush Green, Text White								
	Cat. No.								
INSERIRE	800E-AF3HT03W								
	Colour Cap Flush Red, Text White								
	Cat. No.								
DISINSERIRE	800E-AF4HT04W								
	Colour Cap Raised Red, Text White								
	Cat. No.								
STOP	800E-AE4HE02W								
DISINSERIRE	800E-AE4HT04W								

PQ = Package Quantity

Control and Indicating Devices

Accessories: Colour Caps / Diffusers - Round

Colour Caps / Diffuser Caps with Text, Continued

Hot Stamped, According to DIN 30 600 and ISO R 369



Spanish	Colour Cap Flush Black, Text White		Diffuser for Illuminated Push Buttons, Text Black		Diffuser for Pilot Lights, Text Black			
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ		
SUBIR	800E-AF2HS12W	10	800E-AD2HS12B	10		10		
BAJAR	800E-AF2HS13W		800E-AD2HS13B		—			
DERECHA	800E-AF2HS17W		800E-AD2HS17B		—			
IZQUERDA	800E-AF2HS18W		800E-AD2HS18B		—			
ADELANTE	800E-AF2HS09W		800E-AD2HS09B		—			
ATRAS	800E-AF2HS10W		800E-AD2HS10B		—			
ARRANQUE	—		800E-AD2HS01B		800E-AD3HS01B			
PARO	800E-AF2HS02W		800E-AD2HS02B		800E-AD3HS02B			
EN SERVICIO	800E-AF2HS22W		800E-AD2HS22B		800E-AD3HS22B			
MANUAL	800E-AF2HS23W		800E-AD2HS23B		800E-AD3HS23B			
AUTO	800E-AF2HE24W		800E-AD2HE24B		800E-AD3HE24B			
	Colour Cap Flush White, Text Black	10						
	Cat. No.							
MARCHA	800E-AF1HS03B							
	Colour Cap Flush Green, Text White							
	Cat. No.							
MARCHA	800E-AF3HS03W							
	Colour Cap Flush Red, Text White							
	Cat. No.							
PARADA	800E-AF4HS04W							
	Colour Cap Raised Red, Text White							
	Cat. No.							
PARO	800E-AE4HS02W							
PARADA	800E-AE4HS04W							



Swedish	Colour Cap Flush Black, Text White		Diffuser for Illuminated Push Buttons, Text Black		Diffuser for Pilot Lights, Text Black			
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ		
UPP	800E-AF2HN12W	10	800E-AD2HN12B	10	—	10		
NER	800E-AF2HN13W		800E-AD2HN13B		—			
HÖGER	800E-AF2HN17W		800E-AD2HN17B		—			
VANSTER	800E-AF2HN18W		800E-AD2HN18B		—			
FRAM	800E-AF2HN09W		800E-AD2HN09B		—			
BACK	800E-AF2HN10W		800E-AD2HN10B		—			
START	—		800E-AD2HE01B		800E-AD3HE01B			
STOP	—		800E-AD2HE02B		800E-AD3HE02B			
HAND	800E-AF2HE23W		800E-AD2HE23B		800E-AD3HE23B			
AUTO	800E-AF2HE24W		800E-AD2HE24B		800E-AD3HE24B			
	Colour Cap Raised Red, Text White	10						
	Cat. No.							
STOP	800E-AE4HE02W							
OFF	800E-AE4HE04W							

Control and Indicating Devices

Accessories: Colour Caps / Diffuser Caps - Square

Colour Caps

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	Colour Cap Flush White, Text Black		Colour Cap Flush Black, Text White		Colour Cap Flush Green, Text White		Colour Cap Flush Red, Text White		Colour Cap Flush Blue, Text White	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
→ ①	800EQ-AF108B	10	800EQ-AF208W	10	800EQ-AF308W	10	—	10	—	10
I	800EQ-AF106B		800EQ-AF206W		800EQ-AF306W		—		—	
START	800EQ-AF101B		—		800EQ-AF301W		—		—	
ON	800EQ-AF103B		—		800EQ-AF303W		—		—	
RESET	—		—		—		800EQ-AF407W		800EQ-AF607W	
R	—		—		—		—		800EQ-AF611W	
O	—		800EQ-AF205W		—		800EQ-AF405W		—	
STOP	—		800EQ-AF202W		—		800EQ-AF402W		—	
OFF	—		800EQ-AF204W		—		800EQ-AF404W		—	
FORWARD	800EQ-AF109B		800EQ-AF209W		—		—		—	
REVERSE	800EQ-AF110B		800EQ-AF210W		—		—		—	
⌚	800EQ-AF119W		800EQ-AF219W		—		—		—	
⌚	800EQ-AF120W		800EQ-AF220W		—		—		—	
⌚	800EQ-AF121W		800EQ-AF221W		—		—		—	

① Rotation on 90° (→, ↓, ←, ↑)

Colour Caps / Diffuser Caps with Symbols

Hot Stamped, According to DIN 30 600 and ISO R 369



Symbol	Standard	Description	Colour Cap Flush black, Symbol White		Diffuser for Illuminated Push Buttons, Symbol Black		Diffuser for Pilot Lights, Symbol Black	
			Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
→	ISO 1	Linear Motion	—	10	800EQ-AD2HY700B	10	800EQ-AD3HY700B	10
↔	ISO 2	Linear Motion in 2 directions	800EQ-AF2HY701W		800EQ-AD2HY701B		800EQ-AD3HY701B	
→	ISO 4	Limited linear motion	800EQ-AF2HY704W		800EQ-AD2HY704B		800EQ-AD3HY704B	
↔	ISO 5	Limited linear motion once there and back	800EQ-AF2HY705W		800EQ-AD2HY705B		800EQ-AD3HY705B	
↻	DIN 100 ISO 7A	Rotation in direction of the arrow	800EQ-AF2HY707W		800EQ-AD2HY707B		800EQ-AD3HY707B	
↻	ISO 7B	Rotation in direction of the arrow	800EQ-AF2HY708W		800EQ-AD2HY708B		800EQ-AD3HY708B	
⋈	ISO 16	Feed	800EQ-AF2HY720W		800EQ-AD2HY720B		800EQ-AD3HY720B	
⋈	ISO 26	High speed	800EQ-AF2HY728W		800EQ-AD2HY728B		800EQ-AD3HY728B	
+	ISO 28	Increase a variable	800EQ-AF2HY730W		800EQ-AD2HY730B		800EQ-AD3HY730B	
—	ISO 29	Decrease a variable	800EQ-AF2HY731W		800EQ-AD2HY731B		800EQ-AD3HY731B	
⚙	ISO 41	Electric motor	800EQ-AF2HY800W		800EQ-AD2HY800B		800EQ-AD3HY800B	
⚙	ISO 48	Pumps in general	800EQ-AF2HY807W		800EQ-AD2HY807B		800EQ-AD3HY807B	
↻	ISO 61	Continuous regulation	—		800EQ-AD2HY900B		800EQ-AD3HY900B	
↗	ISO 62	Continuous adjustment	800EQ-AF2HY921W		800EQ-AD2HY921B		800EQ-AD3HY921B	
→ ←	ISO 63A	Tighten terminals	800EQ-AF2HY901W		800EQ-AD2HY901B		—	
← →	ISO 64A	Release	800EQ-AF2HY903W		800EQ-AD2HY903B		—	
→ ⊙←	ISO 65	Brake on	800EQ-AF2HY905W		800EQ-AD2HY905B		—	
← ⊙→	ISO 66	Brake off	800EQ-AF2HY906W		800EQ-AD2HY906B		—	
⚙	DIN 267	Automatic or semiautomatic cycle	—		800EQ-AD2HY922B		800EQ-AD3HY922B	

Control and Indicating Devices

Accessories: Colour Caps / Diffuser Caps - Square

Colour Caps / Diffuser Caps with Symbols, Continued

Hot Stamped, According to DIN 30 600 and ISO R 369



Symbol	Standard	Description	Colour Cap Flush Black, Symbol White		Diffuser for Illuminated Push Buttons, Symbol Black		Diffuser for Pilot Lights, Symbol Black	
			Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
	DIN 35	Manual control	800EQ-AF2HY908W	10	800EQ-AD2HY908B	10	800EQ-AD3HY908B	10
	ISO 69	ON	—		800EQ-AD2HY909B		800EQ-AD3HY909B	
	ISO 70	OFF	—		800EQ-AD2HY910B		800EQ-AD3HY910B	
	ISO 71	ON-OFF	—		800EQ-AD2HY919B		—	
	ISO 72	ON whilst push button depressed	—		800EQ-AD2HY920B		—	
	ISO 5232	START	—		800EQ-AD2HY921B		—	
	DIN 46 ISO 74	Disable	800EQ-AF2HY913W		800EQ-AD2HY913B		—	
	DIN 45 ISO 75	Enable	800EQ-AF2HY914W		800EQ-AD2HY914B		—	
	ISO 91	Shear pin	—		—		800EQ-AD3HY850B	
	DIN 131 ISO 92	Danger high voltage	—		—		800EQ-AD3HY851B	
	ISO 93	Caution	—		—		800EQ-AD3HY852B	
	ISO 94	Main switch	—		—		800EQ-AD3HY853B	
	DIN 986	Set-up	800EQ-AF2HY855W		800EQ-AD2HY855B		—	
	DIN 155	Audible signal	800EQ-AF2HY854W		—		800EQ-AD3HY854B	
	ISO 101	Coolant	800EQ-AF2HY875W		800EQ-AD2HY875B		—	
	ISO 139 ISO 102	Light	—		800EQ-AD2HY876B		—	
	DIN 256 ISO 104	Filler	—		800EQ-AD2HY878B		800EQ-AD3HY878B	
	DIN 257 ISO 106	Drain	—		800EQ-AD2HY880B		800EQ-AD3HY880B	
	DIN 258 ISO 105	Overflow	—		800EQ-AD2HY881B		800EQ-AD3HY881B	
	DIN 175 ISO 107	Lubrication	800EQ-AF2HY882W		800EQ-AD2HY882B		800EQ-AD3HY882B	
	DIN 263 ISO 108	Blowing	800EQ-AF2HY883W		800EQ-AD2HY883B		800EQ-AD3HY883B	
	DIN 264 ISO 109	Suction	800EQ-AF2HY884W		800EQ-AD2HY884B		800EQ-AD3HY884B	
II		Step 2	800EQ-AF2HY602W		800EQ-AD2HY602B		—	
III		Step 3	800EQ-AF2HY603W		800EQ-AD2HY603B		—	
IV		Step 4	800EQ-AF2HY604W		800EQ-AD2HY604B		—	
V		Step 5	800EQ-AF2HY605W		800EQ-AD2HY605B		—	
R		Reset	—		800EQ-AD2HY924B		—	



Symbol	Standard	Description	Colour Cap Raised Red, Symbol White	
			Cat. No.	PQ
	ISO 70	OFF	800EQ-AE4HY910W	10

Control and Indicating Devices

Accessories: Colour Caps / Diffuser Caps - Square

Colour Caps / Diffuser Caps with Text

Hot Stamped, According to DIN 30 600 and ISO R 369



German	Colour Cap Flush Black, Text White		Diffuser for Illuminated Push Buttons, Text Black		Diffuser for Pilot Lights, Text Black	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
EIN	—	10	800EQ-AD2HG03B	10	800EQ-AD3HG03B	10
AUS	800EQ-AF2HG04W		800EQ-AD2HG04B			
AUF	800EQ-AF2HG12W		800EQ-AD2HG12B			
AB	800EQ-AF2HG13W		800EQ-AD2HG13B			
ZU	800EQ-AF2HG14W		800EQ-AD2HG14B			
HEBEN	800EQ-AF2HG15W		800EQ-AD2HG15B			
SENKEN	800EQ-AF2HG16W		800EQ-AD2HG16B			
RECHTS	800EQ-AF2HG17W		800EQ-AD2HG17B			
LINKS	800EQ-AF2HG18W		800EQ-AD2HG18B			
VOR	800EQ-AF2HG09W		800EQ-AD2HG09B			
ZURUECK	800EQ-AF2HG10W		800EQ-AD2HG10B			
SCHNELL	800EQ-AF2HG19W		800EQ-AD2HG19B			
LANGSAM	800EQ-AF2HG20W		800EQ-AD2HG20B			
EINRICHTEN	800EQ-AF2HG21W		800EQ-AD2HG21B			
BETRIEB	800EQ-AF2HG22W		800EQ-AD2HG22B			
START	—		800EQ-AD2HE01B			
STOP	—		800EQ-AD2HE02B			
HAND	800EQ-AF2HE23W		800EQ-AD2HE23B			
AUTO	800EQ-AF2HE24W		800EQ-AD2HE24B			
	Colour Cap Flush White, Text Black					
	Cat. No.					
EIN	800EQ-AF1HG03B					
	Colour Cap Flush Green, Text White					
	Cat. No.					
EIN	800EQ-AF3HG03W					
	Colour Cap Flush Red, Text White					
	Cat. No.					
AUS	800EQ-AF4HG04W					
	Colour Cap Raised Red, Text White					
	Cat. No.					
STOP	800EQ-AE4HE02W					
AUS	800EQ-AE4HG04W					



English	Colour Cap Flush Black, Text White		Diffuser for Illuminated Push Buttons, Text Black		Diffuser for Pilot Lights, Text Black	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
ON	—	10	800EQ-AD2HE03B	10	800EQ-AD3HE03B	10
OFF	—		800EQ-AD2HE04B		800EQ-AD3HE04B	
UP	800EQ-AF2HE12W		800EQ-AD2HE12B		—	
DOWN	800EQ-AF2HE13W		800EQ-AD2HE13B		—	
CLOSE	800EQ-AF2HE14W		800EQ-AD2HE14B		—	
RAISE	800EQ-AF2HE15W		800EQ-AD2HE15B		—	
LOWER	800EQ-AF2HE16W		800EQ-AD2HE16B		—	
RIGHT	800EQ-AF2HE17W		800EQ-AD2HE17B		—	
LEFT	800EQ-AF2HE18W		800EQ-AD2HE18B		—	
FAST	800EQ-AF2HE19W		800EQ-AD2HE19B		—	
SLOW	800EQ-AF2HE20W		800EQ-AD2HE20B		—	
SET—UP	800EQ-AF2HE21W		800EQ-AD2HE21B		—	

PQ = Package Quantity

Control and Indicating Devices

Accessories: Colour Caps / Diffuser Caps - Square

Colour Caps / Diffuser Caps with Text, Continued

Hot Stamped, According to DIN 30 600 and ISO R 369

English (Continued)	Colour Cap Flush Black, Text White		Diffuser for Illuminated Push Buttons, Text Black		Diffuser for Pilot Lights, Text Black	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
RUN	800EQ-AF2HE22W	10	800EQ-AD2HE22B	10	800EQ-AD3HE22B	10
START	—		800EQ-AD2HE01B		800EQ-AD3HE01B	
STOP	—		800EQ-AD2HE02B		800EQ-AD3HE02B	
HAND	800EQ-AF2HE23W		800EQ-AD2HE23B		800EQ-AD3HE23B	
AUTO	800EQ-AF2HE24W		800EQ-AD2HE24B		800EQ-AD3HE24B	
TRIP	800EQ-AF2HE25W		800EQ-AD2HE25B		800EQ-AD3HE25B	
POWER ON	800EQ-AF2HE26W		800EQ-AD2HE26B		800EQ-AD3HE26B	
FAULT	800EQ-AF2HE27W		800EQ-AD2HE27B		800EQ-AD3HE27B	
OPEN	800EQ-AF2HE05W		800EQ-AD2HE05B		—	
	Colour Cap Flush Green, Text White					
	Cat. No.					
JOG	800EQ-AF3HE38W					
	Colour Cap Raised Red, Text White					
	Cat. No.					
STOP	800EQ-AE4HE02W					
OFF	800EQ-AE4HE04W					



French	Colour Cap Flush Black, Text White		Diffuser for Illuminated Push Buttons, Text Black		Diffuser for Pilot Lights, Text Black	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
MARCHE	—	10	800EQ-AD2HF03B	10	800EQ-AD3HF03B	10
ARRET	800EQ-AF2HF04W		800EQ-AD2HF04B		800EQ-AD3HF04B	
OUVRIER	800EQ-AF2HF12W		800EQ-AD2HF12B		—	
DESCENDRE	800EQ-AF2HF13W		800EQ-AD2HF13B		—	
FERMER	800EQ-AF2HF14W		800EQ-AD2HF14B		—	
MONTER	800EQ-AF2HF15W		800EQ-AD2HF15B		—	
DROITE	800EQ-AF2HF17W		800EQ-AD2HF17B		—	
GAUCHE	800EQ-AF2HF18W		800EQ-AD2HF18B		—	
AVANT	800EQ-AF2HF09W		800EQ-AD2HF09B		—	
ARRIERE	800EQ-AF2HF10W		800EQ-AD2HF10B		—	
RAPIDE	800EQ-AF2HF19W		800EQ-AD2HF19B		—	
LENT	800EQ-AF2HF20W		800EQ-AD2HF20B		—	
REGLER	800EQ-AF2HF21W		800EQ-AD2HF21B		—	
EN SERVICE	800EQ-AF2HF22W		800EQ-AD2HF22B		800EQ-AD3HF22B	
START	—		800EQ-AD2HE01B		800EQ-AD3HE01B	
STOP	—		800EQ-AD2HE02B		800EQ-AD3HE02B	
MANUEL	800EQ-AF2HF23W		800EQ-AD2HF23B		800EQ-AD3HF23B	
AUTO	800EQ-AF2HE24W		800EQ-AD2HE24B		800EQ-AD3HE24B	
FAUTE	800EQ-AF2HF27W		800EQ-AD2HF27B		800EQ-AD3HF27B	
	Colour Cap Flush White, Text Black					
	Cat. No.					
MARCHE	800EQ-AF1HF03B					
	Colour Cap Flush Green, Text White					
	Cat. No.					
MARCHE	800EQ-AF3HF03W					
ARRIERE	800EQ-AF3HF10W					
	Colour Cap Flush Red, Text White					
	Cat. No.					
ARRET	800EQ-AF4HF04W					

PQ = Package Quantity

Colour Caps / Diffuser Caps with Text, Continued

Hot Stamped, According to DIN 30 600 and ISO R 369

French (Continued)	Colour Cap Raised Red, Text White		PQ
	Cat. No.		
STOP	800EQ-AE4HE02W	10	
ARRET	800EQ-AE4HF04W		



Italian	Colour Cap Flush Black, Text White		Diffuser for Illuminated Push Buttons, Text Black		Diffuser for Pilot Lights, Text Black	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
INSERIRE	—	10	800EQ-AD2HT03B	10	800EQ-AD3HT03B	10
DISINSERIRE	800EQ-AF2HT04W		800EQ-AD2HT04B		800EQ-AD3HT04B	
APRIRE	800EQ-AF2HT12W		800EQ-AD2HT12B		—	
DISCESA	800EQ-AF2HT13W		800EQ-AD2HT13B		—	
CHIUDERE	800EQ-AF2HT14W		800EQ-AD2HT14B		—	
SALITA	800EQ-AF2HT15W		800EQ-AD2HT15B		—	
ABBASSARE	800EQ-AF2HT16W		800EQ-AD2HT16B		—	
DESTRA	800EQ-AF2HT17W		800EQ-AD2HT17B		—	
SINISTRA	800EQ-AF2HT18W		800EQ-AD2HT18B		—	
AVANTI	800EQ-AF2HT09W		800EQ-AD2HT09B		—	
INDIETRO	800EQ-AF2HT10W		800EQ-AD2HT10B		—	
RAPIDO	800EQ-AF2HT19W		800EQ-AD2HT19B		—	
LENTO	800EQ-AF2HT20W		800EQ-AD2HT20B		—	
PREPARARE	800EQ-AF2HT21W		800EQ-AD2HT21B		—	
IN SERVIZIO	800EQ-AF2HT22W		800EQ-AD2HT22B		800EQ-AD3HT22B	
START	—		800EQ-AD2HE01B		800EQ-AD3HE01B	
STOP	—		800EQ-AD2HE02B		800EQ-AD3HE02B	
MANUALE	800EQ-AF2HT23W		800EQ-AD2HT23B		800EQ-AD3HT23B	
ATUO	800EQ-AF2HE24W		800EQ-AD2HE24B		800EQ-AD3HE24B	
	Colour Cap Flush White, Text Black	10				
	Cat. No.					
INSERIRE	800EQ-AF1HT03B					
	Colour Cap Flush Green, Text White					
	Cat. No.					
INSERIRE	800EQ-AF3HT03W					
	Colour Cap Flush Red, Text White					
	Cat. No.					
DISINSERIRE	800EQ-AF4HT04W					
	Colour Cap Raised Red, Text White					
	Cat. No.					
STOP	800EQ-AE4HE02W					
DISINSERIRE	800EQ-AE4HT04W					

PQ = Package Quantity

Control and Indicating Devices

Accessories: Colour Caps / Diffuser Caps - Square

Colour Caps / Diffuser Caps with Text, Continued

Hot Stamped, According to DIN 30 600 and ISO R 369

Spanish	Colour Cap Flush Black, Text White		Diffuser for Illuminated Push Buttons, Text Black		Diffuser for Pilot Lights, Text Black	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
SUBRIR	800EQ-AF2HS12W	10	800EQ-AD2HS12B	10	—	10
BAJAR	800EQ-AF2HS13W		800EQ-AD2HS13B		—	
DERECHA	800EQ-AF2HS17W		800EQ-AD2HS17B		—	
IZQUIERDA	800EQ-AF2HS18W		800EQ-AD2HS18B		—	
ADELANTE	800EQ-AF2HS09W		800EQ-AD2HS09B		—	
ATRAS	800EQ-AF2HS10W		800EQ-AD2HS10B		—	
ARRANQUE	—		800EQ-AD2HS01B		800EQ-AD3HS01B	
PARO	800EQ-AF2HS02W		800EQ-AD2HS02B		800EQ-AD3HS02B	
EN SERVICIO	800EQ-AF2HS22W		800EQ-AD2HS22B		800EQ-AD3HS22B	
MANUAL	800EQ-AF2HS23W		800EQ-AD2HS23B		800EQ-AD3HS23B	
AUTO	800EQ-AF2HE24W	800EQ-AD2HE24B	800EQ-AD3HE24B			
	Colour Cap Flush White, Text Black	10				
	Cat. No.					
MARCHA	800EQ-AF1HS03B					
	Colour Cap Flush Green, Text White					
	Cat. No.					
MARCHA	800EQ-AF3HS03W					
	Colour Cap Flush Red, Text White					
	Cat. No.					
PARADA	800EQ-AF4HS04W					
	Colour Cap Raised Red, Text White					
	Cat. No.					
PARO	800EQ-AE4HS02W					
PARADA	800EQ-AE4HS04W					



Swedish	Colour Cap Flush Black, Text White		Diffuser for Illuminated Push Buttons, Text Black		Diffuser for Pilot Lights, Text Black	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
UPP	800EQ-AF2HN12W	10	800EQ-AD2HN12B	10	—	10
NER	800EQ-AF2HN13W		800EQ-AD2HN13B		—	
HÖGER	800EQ-AF2HN17W		800EQ-AD2HN17B		—	
VANSTER	800EQ-AF2HN18W		800EQ-AD2HN18B		—	
FRAM	800EQ-AF2HN09W		800EQ-AD2HN09B		—	
BACK	800EQ-AF2HN10W		800EQ-AD2HN10B		—	
START	—		800EQ-AD2HE01B		800EQ-AD3HE01B	
STOP	—		800EQ-AD2HE02B		800EQ-AD3HE02B	
HAND	800EQ-AF2HE23W		800EQ-AD2HE23B		800EQ-AD3HE23B	
AUTO	800EQ-AF2HE24W		800EQ-AD2HE24B		800EQ-AD3HE24B	
	Colour Cap Raised Red, Text White					
	Cat. No.					
STOP	800EQ-AE4HE02W					
OFF	800EQ-AE4HE04W					

PQ = Package Quantity

Control and Indicating Devices

Accessories: Colour Caps for Multi-Function Operators

Colour Caps for Non-Illuminated Multi-Function Operators



	Position C, White	Position C, Green	Position A, White	Position A, Black	Position A, Green	Position A, Red	Position A Raised, Black	Position A Raised, Red
	PQ = 10	PQ = 10	PQ = 10	PQ = 10	PQ = 10	PQ = 10	PQ = 10	PQ = 10
	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.	Cat. No.
	800E-AFU1	800E-AFU3	800E-AFU1	800E-AFU2	800E-AFU3	800E-AFU4	800E-AEU2	800E-AEU4

Colour Caps for Multi-Function Operators with Symbols or Text

Tampon Printing



Symbol	Position C Green, Symbol White		Position A Green, Symbol White		Position A Red, Symbol White		Position A Raised Red, Symbol White	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
→	800E-AFUA3PY700W	10	—	10	—	10	—	10
←	—		800E-AFUA3PY700W		—		—	
+	800E-AFUA3PY730W		800E-AFUA3PY730W		—		—	
—	800E-AFUA3PY731W		800E-AFUA3PY731W		—		—	
	800E-AFUA3PY909W		800E-AFUA3PY909W		—		—	
	800E-AFUA3PY602W		800E-AFUA3PY602W		—		—	
↑	800E-AFUA3PY713W		—		—		—	
↓	—		800E-AFUA3PY713W		—		—	
O	—		—		800E-AFUA4PY910W		800E-AEUA4PY910W	
	Position C White, Symbol Black		Position A White, Symbol Black		Position A Black, Symbol White		Position A Raised Black, Symbol White	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
→	800E-AFUA1PY700B	10	—	10	—	10	—	10
←	—		800E-AFUA1PY700B		—		—	
+	800E-AFUA1PY730B		800E-AFUA1PY730B		—		—	
—	800E-AFUA1PY731B		800E-AFUA1PY731B		—		—	
	800E-AFUA1PY909B		800E-AFUA1PY909B		—		—	
	800E-AFUA1PY602B		800E-AFUA1PY602B		—		—	
↑	800E-AFUA1PY713B		—		—		—	
↓	—		800E-AFUA1PY713B		—		—	
O	—		—		800E-AFUA2PY910W		800E-AEUA2PY910W	

PQ = Package Quantity

Control and Indicating Devices

Accessories: Colour Caps for Multi-Function Operators

Colour Caps for Multi-Function Operators with Symbols or Text, Continued



Language	Position C Green, Text White		Position A Green, Text White		Position A Red, Text White		Position A Raised Red, Text White	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
German								
AUF	800E-AFUC3PG12W	10	—	10	—	10	—	10
AB	—		800E-AFUA3PG13W		—		—	
RECHTS	800E-AFUC3PG17W		—		—		—	
LINKS	—		800E-AFUA3PG18W		—		—	
VOR	800E-AFUC3PG09W		—		—		—	
ZURUECK	—		800E-AFUA3PG10W		—		—	
START	800E-AFUC3PE01W		—		—		—	
AUS	—		—		800E-AFUA4PG04W		800E-AEUA4PG04W	

	Position C White, Text Black		Position A White, Text Black		Position A Black, Text White		Position A Raised Black, Text White	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
AUF	800E-AFUC1PG12B	10	—	10	—	10	—	10
AB	—		800E-AFUA1PG13B		—		—	
RECHTS	800E-AFUC1PG17B		—		—		—	
LINKS	—		800E-AFUA1PG18B		—		—	
VOR	800E-AFUC1PG09B		—		—		—	
ZURUECK	—		800E-AFUA1PG10B		—		—	
START	800E-AFUC1PE01B		—		—		—	
AUS	—		—		800E-AFUA2PG04W		800E-AEUA2PG04W	

Language	Position C Green, Text White		Position A Green, Text White		Position A Red, Text White		Position A Raised Red, Text White	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
English								
UP	800E-AFUC3PE12W	10	—	10	—	10	—	10
DOWN	—		800E-AFUA3PE13W		—		—	
RIGHT	800E-AFUC3PE17W		—		—		—	
LEFT	—		800E-AFUA3PE18W		—		—	
FORWARD	800E-AFUC3PE09W		—		—		—	
REVERSE	—		800E-AFUA3PE10W		—		—	
START	800E-AFUC3PE01W		—		—		—	
STOP	—		—		800E-AFUA4PE02W		800E-AEUA4PE02W	
ON	800E-AFUC3PE03W		—		—		—	
OFF	—		—		—		800E-AEUA4PE04W	

	Position C White, Text Black		Position A White, Text Black		Position A Black, Text White		Position A Raised Black, Text White	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
UP	800E-AFUC1PE12B	10	—	10	—	10	—	10
DOWN	—		800E-AFUA1PE13B		—		—	
RIGHT	800E-AFUC1PE17B		—		—		—	
LEFT	—		800E-AFUA1PE18B		—		—	
FORWARD	800E-AFUC1PE09B		—		—		—	
REVERSE	—		800E-AFUA1PE10B		—		—	
START	800E-AFUC1PE01B		—		—		—	
STOP	—		—		800E-AFUA2PE02W		800E-AEUA2PE02W	
ON	800E-AFUC1PE03B		—		—		—	
OFF	—		—		—		800E-AEUA2PE04W	

PQ = Package Quantity

Control and Indicating Devices

Accessories: Colour Caps for Multi-Function Operators

Colour Caps for Multi-Function Operators with Symbols or Text, Continued

Tampon Printing



Language	Position C Green, Text White		Position A Green, Text White		Position A Red, Text White		Position A Raised Red, Text White	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
Italian								
DESTRA	800E-AFUC3PT12W	10	—	10	—	10	—	10
SINISTRA	—		800E-AFUA3PT13W		—		—	
AVANTI	800E-AFUC3PT17W		—		—		—	
INDIETRO	—		800E-AFUA3PT18W		—		—	
SU	800E-AFUC3PT09W		—		—		—	
GIU	—		800E-AFUA3PT10W		—		—	
START	800E-AFUC3PE01W		—		—		—	
STOP	—		—		800E-AFUA4PE02W		800E-AEUA4PE02W	
	Position C White, Text Black		Position A White, Text Black		Position A Black, Text White		Position A Raised Black, Text White	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
DESTRA	800E-AFUC1PT12B	10	—	10	—	10	—	10
SINISTRA	—		800E-AFUA1PT13B		—		—	
AVANTI	800E-AFUC1PT17B		—		—		—	
INDIETRO	—		800E-AFUA1PT18B		—		—	
SU	800E-AFUC1PT09B		—		—		—	
GIU	—		800E-AFUA1PT10B		—		—	
START	800E-AFUC1PE01B		—		—		—	
STOP	—		—		800E-AFUA2PE02W		800E-AEUA2PE02W	

Language	Position C Green, Text White		Position A Green, Text White		Position A Red, Text White		Position A Raised Red, Text White	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
French								
MONTER	800E-AFUC3PF12W	10	—	10	—	10	—	10
DESCEND	—		800E-AFUA3PF13W		—		—	
DROITE	800E-AFUC3PF17W		—		—		—	
GAUCHE	—		800E-AFUA3PF18W		—		—	
AVANT	800E-AFUC3PF09W		—		—		—	
ARRIERE	—		800E-AFUA3PF10W		—		—	
START	800E-AFUC3PE01W		—		—		—	
STOP	—		—		800E-AFUA4PF04W		800E-AEUA4PF04W	
	Position C White, Text Black		Position A White, Text Black		Position A Black, Text White		Position A Raised Black, Text White	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
MONTER	800E-AFUC1PF12B	10	—	10	—	10	—	10
DESCEND	—		800E-AFUA1PF13B		—		—	
DROITE	800E-AFUC1PF17B		—		—		—	
GAUCHE	—		800E-AFUA1PF18B		—		—	
AVANT	800E-AFUC1PF09B		—		—		—	
ARRIERE	—		800E-AFUA1PF10B		—		—	
START	800E-AFUC1PE01B		—		—		—	
STOP	—		—		800E-AFUA2PF04W		800E-AEUA2PF04W	

PQ = Package Quantity

Colour Caps for Multi-Function Operators with Symbols or Text, Continued

Tampon Printing



Language	Position C Green, Text White		Position A Green, Text White		Position A Red, Text White		Position A Raised Red, Text White	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
Spanish								
SUBRIR	800E-AFUC3PS12W	10	—	10	—	10	—	10
BAJAR	—		800E-AFUA3PS13W		—		—	
DERECHA	800E-AFUC3PS17W		—		—		—	
IZQUIERDA	—		800E-AFUA3PS18W		—		—	
ADELANTE	800E-AFUC3PS09W		—		—		—	
ATRAS	—		800E-AFUA3PS10W		—		—	
ARRANQ	800E-AFUC3PS01W		—		—		—	
PARO	—		—		800E-AFUA4PS04W		800E-AEUA4PS04W	
	Position C White, Text Black		Position A White, Text Black		Position A Black, Text White		Position A Raised Black, Text White	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
SUBRIR	800E-AFUC1PS12B	10	—	10	—	10	—	10
BAJAR	—		800E-AFUA1PS13B		—		—	
DERECHA	800E-AFUC1PS17B		—		—		—	
IZQUIERDA	—		800E-AFUA1PS18B		—		—	
ADELANTE	800E-AFUC1PS09B		—		—		—	
ATRAS	—		800E-AFUA1PS10B		—		—	
ARRANQ	800E-AFUC1PS01B		—		—		—	
PARO	—		—		800E-AFUA2PS04W		800E-AEUA2PS04W	

Language	Position C Green, Text White		Position A Green, Text White		Position A Red, Text White		Position A Raised Red, Text White	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
Swedish								
UP	800E-AFUC3PN12W	10	—	10	—	10	—	10
NER	—		800E-AFUA3PN13W		—		—	
HÖGER	800E-AFUC3PN17W		—		—		—	
VANSTER	—		800E-AFUA3PN18W		—		—	
FRAM	800E-AFUC3PN09W		—		—		—	
BACK	—		800E-AFUA3PN10W		—		—	
START	800E-AFUC3PE01W		—		—		—	
STOP	—		—		800E-AFUA4PE02W		800E-AEUA4PE02W	

	Position C White, Text Black		Position A White, Text Black		Position A Black, Text White		Position A Raised Black, Text White	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
UP	800E-AFUC1PN12B	10	—	10	—	10	—	10
NER	—		800E-AFUA1PN13B		—		—	
HÖGER	800E-AFUC1PN17B		—		—		—	
VANSTER	—		800E-AFUA1PN18B		—		—	
FRAM	800E-AFUC1PN09B		—		—		—	
BACK	—		800E-AFUA1PN10B		—		—	
START	800E-AFUC1PE01B		—		—		—	
STOP	—		—		800E-AFUA2PE02W		800E-AEUA2PE02W	

PQ = Package Quantity

Legend Plates with Symbols and Text



Symbol/Text	Black Plastic Plate, Text White for Legend Plate Carrier 800E-110, 30 x 40 mm		Black Plastic Plate, Text White for Legend Plate Carrier 800E-120, 30 x 50 mm		Aluminium Legend Plate, Text Black for Legend Plate Carrier 800E-150 + 200, 30 x 50 mm		Aluminium Legend Plate, Text Black for Legend Plate Carrier 800E-160, 48 x 18 mm	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
O • I	800E-17BU231L	10	800E-18BU231L	10	800E-30AU231L	10	800E-20AU231L	10
I II	800E-17BU229L		800E-18BU229L		800E-30AU229L		800E-20AU229L	
I O II	800E-17BU234L		800E-18BU234L		800E-30AU234L		800E-20AU234L	
O I	800E-17BU255L		800E-18BU255L		800E-30AU255L		800E-20AU255L	
← O I	800E-17BU252L		800E-18BU252L		800E-30AU252L		800E-20AU252L	
← O →	800E-17BU253L		800E-18BU253L		800E-30AU253L		800E-20AU253L	
O →	800E-17BU256L		800E-18BU256L		800E-30AU256L		800E-20AU256L	

German

STOERUNG	800E-17BG113	10	800E-18BG113	10	800E-30AG113	10	800E-20AG113	10
STOP	800E-17BE212		800E-18BE212		800E-30AE212		800E-20AE212	
START	800E-17BE208		800E-18BE208		800E-30AE208		800E-20AE208	
BETRIEB	800E-17BG193		800E-18BG193		800E-30AG193		800E-20AG193	
LANGSAM	800E-17BG201		800E-18BG201		800E-30AG201		800E-20AG201	
SCHNELL	800E-17BG114		800E-18BG114		800E-30AG114		800E-20AG114	
ZURUECK	800E-17BG188	10	800E-18BG188	10	800E-30AG188	10	800E-20AG188	10
VOR	800E-17BG120		800E-18BG120		800E-30AG120		800E-20AG120	
LINKS	800E-17BG145		800E-18BG145		800E-30AG145		800E-20AG145	
RECHTS	800E-17BG191		800E-18BG191		800E-30AG191		800E-20AG191	
AB	800E-17BG110		800E-18BG110		800E-30AG110		800E-20AG110	
AUF	800E-17BG223		800E-18BG223		800E-30AG223		800E-20AG223	
AUS	800E-17BG163	10	800E-18BG163	10	800E-30AG163	10	800E-20AG163	10
EIN	800E-17BG166		800E-18BG166		800E-30AG166		800E-20AG166	
STOP START	800E-17BE305		800E-18BE305		800E-30AE305		800E-20AE305	
VOR ZURUECK	800E-17BG303		800E-18BG303		800E-30AG303		800E-20AG303	
LINKS RECHTS	800E-17BG146		800E-18BG146		800E-30AG146		800E-20AG146	
AUS EIN	800E-17BG165		800E-18BG165		800E-30AG165		800E-20AG165	

English

AUTO	800E-17BE101	10	800E-18BE101	10	—	10	—	10
CLOSE	800E-17BE107		800E-18BE107		—		—	
DOWN	800E-17BE110		800E-18BE110		—		—	
EMERGENCY STOP	800E-17BE112		800E-18BE112		—		—	
FAULT	800E-17BE113		800E-18BE113		—		—	
FAST	800E-17BE114		800E-18BE114		—		—	
FORWARD	800E-17BE120	10	800E-18BE120	10	—	10	—	10
HAND	800E-17BE126		800E-18BE126		—		—	
HIGH	800E-17BE129		800E-18BE129		—		—	
IN	800E-17BE132		800E-18BE132		—		—	
INCH	800E-17BE134		800E-18BE134		—		—	
JOG	800E-17BE138		800E-18BE138		—		—	
LEFT	800E-17BE145	10	800E-18BE145	10	—	10	—	10
LOW	800E-17BE148		800E-18BE148		—		—	
LOWER	800E-17BE152		800E-18BE152		—		—	
OFF	800E-17BE163		800E-18BE163		—		—	
ON	800E-17BE166		800E-18BE166		—		—	
OPEN	800E-17BE170		800E-18BE170		—		—	
OUT	800E-17BE173	10	800E-18BE173	10	—	10	—	10
RAISE	800E-17BE182		800E-18BE182		—		—	
REVERSE	800E-17BE188		800E-18BE188		—		—	
RIGHT	800E-17BE191		800E-18BE191		—		—	
SLOW	800E-17BE201		800E-18BE201		—		—	

PQ = Package Quantity

Bulletin 800E
Control and Indicating Devices
Accessories: Legend Plates

Legend Plates with Symbols and Text, Continued



Symbol/Text	Black Plastic Plate, Text White for Legend Plate Carrier 800E-110, 30 x 40 mm		Black Plastic Plate, Text White for Legend Plate Carrier 800E-120, 30 x 50 mm		Aluminium Legend Plate, Text Black for Legend Plate Carrier 800E-150 + 200, 30 x 50 mm		Aluminium Legend Plate, Text Black for Legend Plate Carrier 800E-160, 48 x 18 mm	
	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ

English (Continued)

START			800E-17BE208		800E-18BE208		—		—	
STOP			800E-17BE212		800E-18BE212		—		—	
UP			800E-17BE223		800E-18BE223		—		—	
I	O	AUTO	800E-17BU250L		800E-18BU250L		800E-30AU250L		800E-20AU250L	
HAND	O	AUTO	800E-17BU251L		800E-18BU251L		800E-30AU251L		800E-20AU251L	
MAN.	O	AUTO	800E-17BE238K		800E-18BE238K		800E-30AE238K		800E-20AE238K	
ON	OFF	AUTO	800E-17BE300		800E-18BE300		800E-30AE300		800E-20AE300	
MAN.		AUTO	800E-17BE301		800E-18BE301		800E-30AE301		800E-20AE301	
HAND		AUTO	800E-17BE127		800E-18BE127		800E-30AE127		800E-20AE127	
FORW.	OFF	REVERSE	800E-17BE261		800E-18BE261		800E-30AE261		800E-20AE261	
SET—UP		RUN	800E-17BE302		800E-18BE302		800E-30AE302		800E-20AE302	
FORW.		REV.	800E-17BE303		800E-18BE303		800E-30AE303		800E-20AE303	
OFF		ON	800E-17BE165		800E-18BE165		800E-30AE165		800E-20AE165	
STOP		START	800E-17BE305		800E-18BE305		800E-30AE305		800E-20AE305	
HIGH		LOW	800E-17BE130		800E-18BE130		—		—	
INCH		REVERSE	800E-17BE135K	10	800E-18BE135K	10	—	10	—	10
JOG		FOR.	800E-17BE255		800E-18BE255		—		—	
JOG		REV.	800E-17BE256		800E-18BE256		—		—	
JOG		RUN	800E-17BE142		800E-18BE142		—		—	
LEFT		RIGHT	800E-17BE146		800E-18BE146		—		—	
OPEN		CLOSE	800E-17BE171		800E-18BE171		—		—	
RAISE		LOWER	800E-17BE183		800E-18BE183		—		—	
SLOW		FAST	800E-17BE204		800E-18BE204		—		—	
UP		DOWN	800E-17BE224		800E-18BE224		—		—	
FOR	STOP	REV.	800E-17BE254K		800E-18BE254K		—		—	
HAND	OFF	AUTO	800E-17BE128K		800E-18BE128K		—		—	
JOG	STOP	RUN	800E-17BE144K		800E-18BE144K		—		—	
LOW	OFF	HIGH	800E-17BE150K		800E-18BE150K		—		—	
RAISE	OFF	LOWER	800E-17BE184K		800E-18BE184K		—		—	
SLOW	OFF	FAST	800E-17BE205K		800E-18BE205K		—		—	
SLOW	OFF	START	800E-17BE207K		800E-18BE207K		—		—	

French

MARCHE			800E-17BF166		800E-18BF166		—		—	
ARRET			800E-17BF163		800E-18BF163		—		—	
ARRET D'URGENCE			800E-17BF112		800E-18BF112		—		—	
MANUEL			800E-17BF126		800E-18BF126		—		—	
MANUEL	AUTO		800E-17BF127	10	800E-18BF127	10	800E-30AF127	10	800E-20AF127	10
ARRET	MARCHE		800E-17BF165		800E-18BF165		800E-30AF165		800E-20AF165	
MANUEL	HORS	AUTO	800E-17BF260		800E-18BF260		800E-30AF260		800E-20AF260	
ARRIERE	ARRET	AVANT	800E-17BF261		800E-18BF261		800E-30AF261		800E-20AF261	
LENT	ARRET	VITE	800E-17BF262		800E-18BF262		800E-30AF262		800E-20AF262	
ARRET	AUTO	SECOURS	800E-17BF265		800E-18BF265		800E-30AF265		800E-20AF265	

PQ = Package Quantity

Legend Plates with Symbols and Text, Continued

Symbol/Text		Black Plastic Plate, Text White for Legend Plate Carrier 800E-110, 30 x 40 mm		Black Plastic Plate, Text White for Legend Plate Carrier 800E-120, 30 x 50 mm		Aluminium Legend Plate, Text Black for Legend Plate Carrier 800E-150 + 200, 30 x 50 mm		Aluminium Legend Plate, Text Black for Legend Plate Carrier 800E-160, 48 x 18 mm	
		Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ	Cat. No.	PQ
Italian									
MARCIA		800E-17BT208	10	800E-18BT208	10	—	10	—	10
ARRESTO		800E-17BT212		800E-18BT212		—		—	
ARRESTO EMERGENZA		800E-17BT112		800E-18BT112		—		—	
MANUALE		800E-17BT126		800E-18BT126		—		—	
MANUALE	AUTO	800E-17BT127		800E-18BT127		800E-30BT127		800E-20BT127	
ARRESTO	MARCIA	800E-17BT165		800E-18BT165		800E-30BT165		800E-20BT165	
Spanish									
ARRANQUE		800E-17BS166	10	800E-18BS166	10	—	10	—	10
PARO		800E-17BS163		800E-18BS163		—		—	
MARCHA		800E-17BS208		800E-18BS208		—		—	
PARADA		800E-17BS212		800E-18BS212		—		—	
PARADA DE EMERGENCIA		800E-17BS112		800E-18BS112		—		—	
MANUAL		800E-17BS126		800E-18BS126		—		—	
IN SERVICIO		800E-17BS193		800E-18BS193		—		—	
MANUAL	AUTO	800E-17BS127		800E-18BS127		800E-30BS127		800E-20BS127	
PARADA	MARCHA	800E-17BS165		800E-18BS165		800E-30BS165		800E-20BS165	

Legend Plates for Base Mounting Enclosures

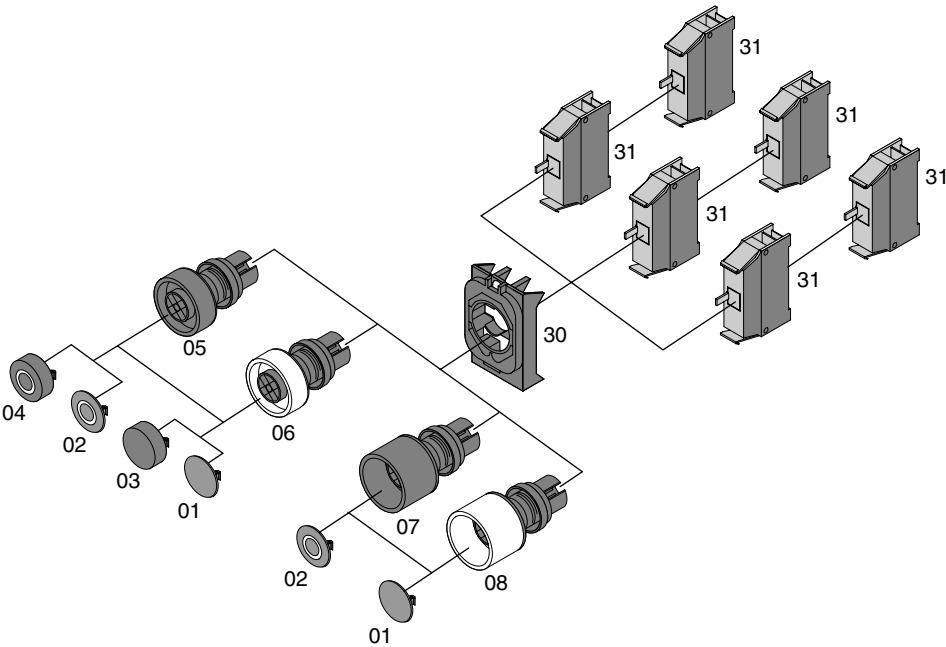


Size 19 x 19 mm

Symbol/Text	Aluminium Legend Plate, Text Black, Size 19 x 19 mm	
	Cat. No.	PQ
II	800E-19AU230L	10
O	800E-19AU228L	
I	800E-19AU229L	
German		
STOERUNG	800E-19AG113	10
STOP	800E-19AE212	
START	800E-19AE208	
BETRIEB	800E-19AG193	
LANGSAM	800E-19AG201	
SCHNELL	800E-19AG114	
ZURUECK	800E-19AG188	
VOR	800E-19AG120	
LINKS	800E-19AG145	
RECHTS	800E-19AG191	
AB	800E-19AG110	
AUF	800E-19AG223	
AUS	800E-19AG163	
EIN	800E-19AG166	

PQ = Package Quantity

Non-Illuminated Push Buttons



Individual Part	Cat. No.	PQ
01 Colour caps		
white	800E-AF1	10
black	800E-AF2	
green	800E-AF3	
red	800E-AF4	
yellow	800E-AF5	
blue	800E-AF6	
gray	800E-AF8	
02 Legend colour caps additional legend colour caps see pages 11-85...11-90		
03 Raised colour caps		
white	800E-AE1	10
black	800E-AE2	
green	800E-AE3	
red	800E-AE4	
yellow	800E-AE5	
blue	800E-AE6	
gray	800E-AE8	
04 Raised legend colour caps additional legend colour caps see pages 11-85...11-90		

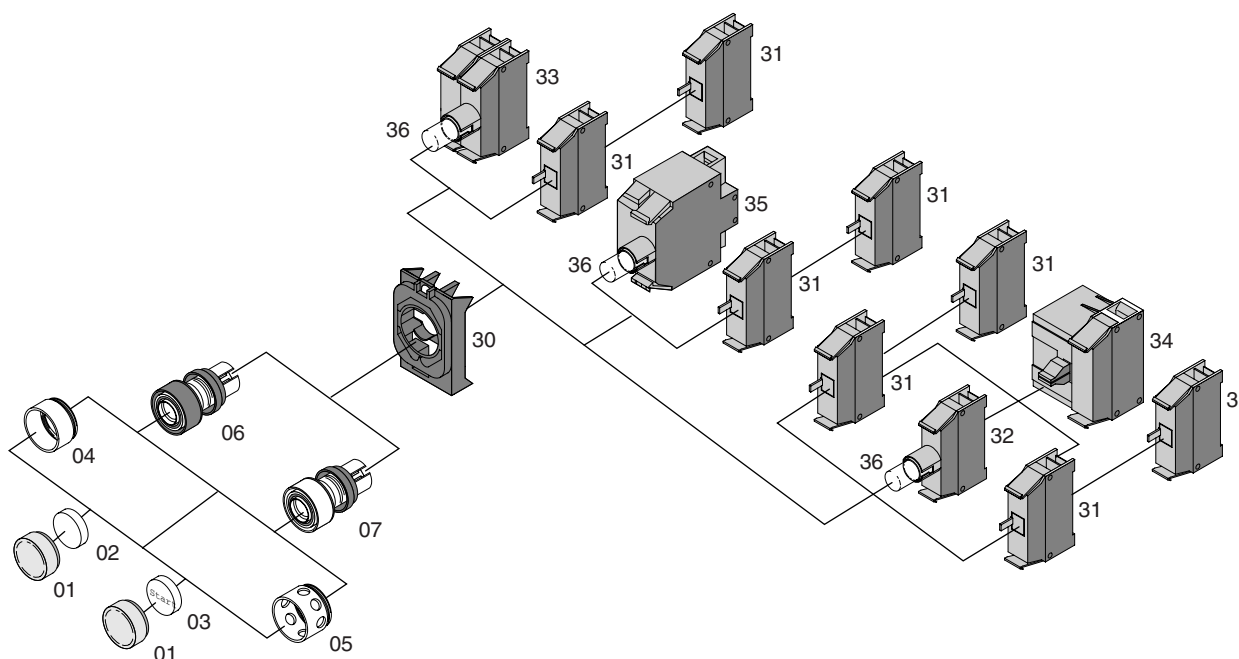
Individual Part	Cat. No.	PQ
05 Plastic front element, flush	800EP-F9	☆
Plastic front element maintained, flush	800EP-FA9	☆
06 Plastic front element, flush with shiny metal front ring	800ES-F9	☆
Plastic front element maintained, flush with shiny metal front ring	800ES-FA9	☆
07 Plastic front element, with raised plastic front ring	800EP-G9	☆
08 Plastic front element with raised shiny metal front ring	800ES-G9	☆
30 Latch for snap-on contact blocks and lamp elements	800E-A3L	10
31 Contact block		
N.O.	800E-3X10	10
N.C.	800E-3X01	
N.O.E.M.	800E-3X10E	
N.C.L.B.	800E-3X01L	
N.O. (Low voltage)	800E-3X10V	
N.C. (Low voltage)	800E-3X01V	

Options	Cat. No. Suffix	Description	Ordering Example
☆ Packaging quantity	Blank	≡ Single package (1 piece standard delivery)	800EP-F9
	-BP	≡ Package of 10 pieces	800EP-F9-BP

PQ = Package Quantity

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Illuminated Push Buttons

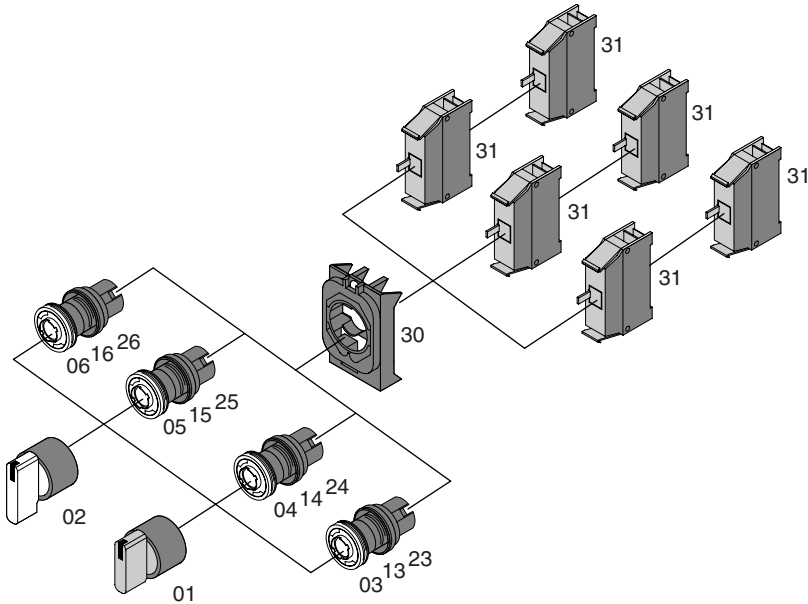


Individual Part	Cat. No.	PQ
01 Lens caps green red yellow blue transparent	800E-ALF3 800E-ALF4 800E-ALF5 800E-ALF6 800E-ALF7	10
02 Diffuser blank	800E-AD2	10
03 Legend diffuser see pages 11-85...11-90		
04 Front ring transparent for flush illuminated operators	800E-ALB1	10
05 Front ring with bore holes for lateral visibility of illuminated raised front ring	800E-ALG1	10
06 Illuminated plastic front element, flush Illuminated plastic front element maintained, flush	800EP-LF9 800EP-LFA9	★
07 Illuminated plastic front element, flush with shiny metal front ring Illuminated plastic front element, maintained, flush with shiny metal front ring	800ES-LF9 800ES-LFA9	★
30 Latch for snap on contact blocks and lamp elements	800E-A3L	10
31 Contact block N.O. N.C. N.O.E.M. N.C.L.B. N.O. (Low voltage) N.C. (Low voltage)	800E-3X10 800E-3X01 800E-3X10E 800E-3X01L 800E-3X10V 800E-3X01V	10
32 Lamp element Standard with diode and resistor 220 VAC 240 VAC	800E-3D0 800E-3R22 800E-3R7	10

Individual Part	Cat. No.	PQ
33 Lamp element with central lamp test with diode and resistor 220 VAC 240 VAC	800E-3DD0 800E-3RDD22 800E-3RDD7	10
34 Transformer elements 50/60 Hz for mounting on lamp elements primary secondary 110...120 V 6 V 1.2 VA 220 240 V 6 V 1.2 VA 380...415 V 6 V 1.2 VA 440...480 V 6 V 1.2 VA 220...240 V 24 V 1.2 VA	800E-3TS5 800E-3TS7 800E-3TS10 800E-3TS12 800E-3THS7	1
35 Transformer elements 50/60 Hz with lamp element primary secondary 110...120 V 6 V 1.2 VA 220...240 V 6 V 1.2 VA 600 V 6 V 1.2 VA 220...240 V 24 V 1.2 VA 400 V 24 V 1.2 VA	800E-3T5 800E-3T7 800E-3T14 800E-3TH7 800E-3TH10	1
36 Incandescent lamps 6 V 1.2 W 12 V 1.4 W 24 V 1.4 W 36 V 1.4 W 48 V 1.4 W 60 V 1.5 W 110 V 1.9 W for lamp elements 800E-R... and 800E-RDD...130 V2.4 W Neon lamps 110 V...127 V 220 V...240 V LED see page 11-82	800E-N65 800E-N141 800E-N157 800E-N36 800E-N48 800E-N60 800E-N130 800E-N130 800E-N230 800E-N240	10

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Non-Illuminated 2, 3 or 4 Position Selector Switch Operators



Individual Part		Cat. No.	PQ
01 Standard knob, black plastic front ring	white	800EP-AS1	10
	black	800EP-AS2	
	green	800EP-AS3	
	red	800EP-AS4	
	yellow	800EP-AS5	
	blue	800EP-AS6	
	gray	800EP-AS8	
Standard knob, shiny metal front ring	white	800EM-AS1	10
	black	800EM-AS2	
	green	800EM-AS3	
	red	800EM-AS4	
	yellow	800EM-AS5	
	blue	800EM-AS6	
	gray	800EM-AS8	
Standard knob, back anodised front ring	white	800EB-AS1	10
	black	800EB-AS2	
	green	800EB-AS3	
	red	800EB-AS4	
	yellow	800EB-AS5	
	blue	800EB-AS6	
	gray	800EB-AS8	

Individual Part		Cat. No.	PQ
02 Lever, black plastic front ring	white	800EP-AH1	10
	black	800EP-AH2	
	green	800EP-AH3	
	red	800EP-AH4	
	yellow	800EP-AH5	
	blue	800EP-AH6	
	gray	800EP-AH8	
Lever, shiny metal front ring	white	800EM-AH1	10
	black	800EM-AH2	
	green	800EM-AH3	
	red	800EM-AH4	
	yellow	800EM-AH5	
	blue	800EM-AH6	
	gray	800EM-AH8	
Lever, back anodised front ring	white	800EB-AH1	10
	black	800EB-AH2	
	green	800EB-AH3	
	red	800EB-AH4	
	yellow	800EB-AH5	
	blue	800EB-AH6	
	gray	800EB-AH8	

PQ = Package Quantity

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Control and Indicating Devices

Product Selection: Individual Components - Round

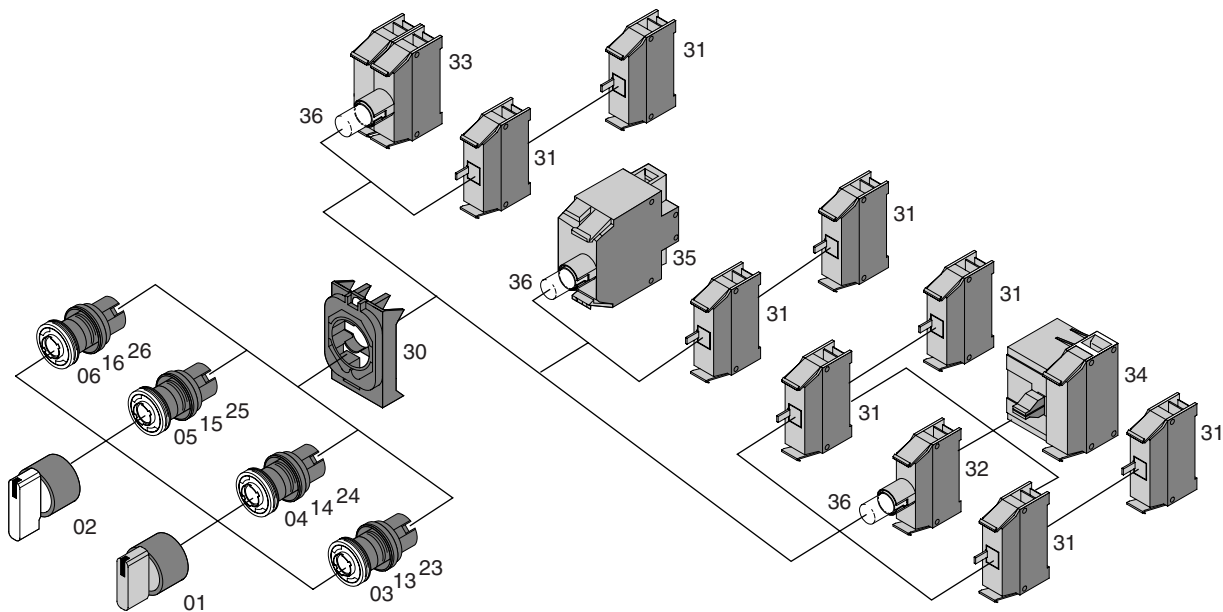
Individual Part	Cat. No.	PQ
Front Elements - 2 Positions		
03 Plastic operator, maintained 60°	800EP-SM29	1
04 Plastic operator, maintained 90°	800EP-SN29	1
05 Plastic operator, spring return & from left 60°	800EP-SL29	1
06 Plastic operator, spring return from right 60°	800EP-SR29	1
Front Elements - 3 Positions		
13 Plastic operator, maintained 60°	800EP-SM39	1
14 Plastic operator, spring return from left 60°	800EP-SL39	1
15 Plastic operator, spring return from right 60°	800EP-SR39	1
16 Plastic operator, spring return from left and right 60°	800EP-SB39	1
Front Elements - 4 Positions		
23 Plastic operator, maintained	800EP-SM49	1
24 Plastic operator, spring return from left	800EP-SL49	1
25 Plastic operator, spring return from right	800EP-SR49	1
26 Plastic operator, spring return from left and right	800EP-SB49	1

Individual Part	Cat. No.	PQ
30 Latch for snap-on contact blocks and lamp elements	800E-A3L	10
31 Contact block N.O.  N.C.  N.O.E.M.  N.C.L.B.  N.O. (Low voltage)  N.C. (Low voltage) 	800E-3X10 800E-3X01 800E-3X10E 800E-3X01L 800E-3X10V 800E-3X01V	10

PQ = Package Quantity

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Illuminated 2, 3 or 4 Position Selector Switch Operators



Individual Part	Cat. No.	PQ
01 Illuminated standard knob, black plastic front ring		
white	800EP-ALS1	10
green	800EP-ALS3	
red	800EP-ALS4	
yellow	800EP-ALS5	
blue	800EP-ALS6	
Illuminated standard knob, shiny metal front ring		
white	800EM-ALS1	10
green	800EM-ALS3	
red	800EM-ALS4	
yellow	800EM-ALS5	
blue	800EM-ALS6	
Illuminated standard knob, back anodised front ring		
white	800EB-ALS1	10
green	800EB-ALS3	
red	800EB-ALS4	
yellow	800EB-ALS5	
blue	800EB-ALS6	

Individual Part	Cat. No.	PQ
02 Illuminated lever, black plastic front ring		
white	800EP-ALH1	10
green	800EP-ALH3	
red	800EP-ALH4	
yellow	800EP-ALH5	
blue	800EP-ALH6	
Illuminated lever, shiny metal front ring		
white	800EM-ALH1	10
green	800EM-ALH3	
red	800EM-ALH4	
yellow	800EM-ALH5	
blue	800EM-ALH6	
Illuminated lever, back anodised front ring		
white	800EB-ALH1	10
green	800EB-ALH3	
red	800EB-ALH4	
yellow	800EB-ALH5	
blue	800EB-ALH6	

PQ = Package Quantity

Incandescent Lamps, LED - Page 11-82
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Control and Indicating Devices

Product Selection: Individual Components - Round

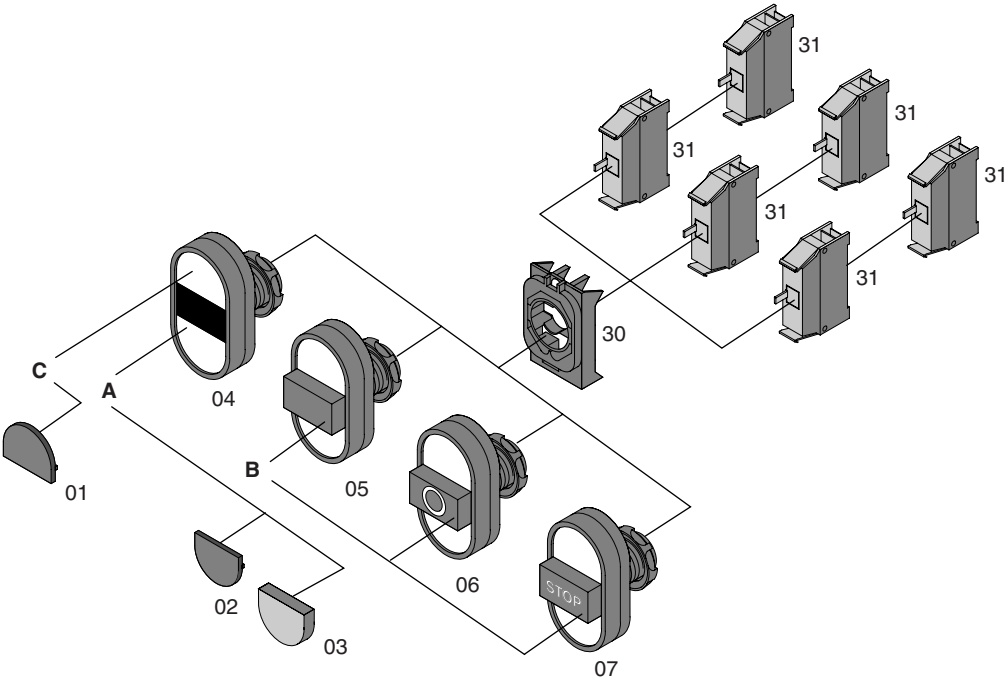
Individual Part	Cat. No.	PQ
Front Elements - 2 Positions		
03 Illuminated plastic operator, maintained 60°	800EP-LSM29	1
04 Illuminated plastic operator, maintained 90°	800EP-LSN29	1
05 Illuminated plastic operator, spring return from left 60°	800EP-LSL29	1
06 Illuminated plastic operator, spring return from right 60°	800EP-LSR29	1
Front Elements - 3 Positions		
13 Illuminated plastic operator, maintained 60°	800EP-LSM39	1
14 Illuminated plastic operator, spring return from left 60°	800EP-LSL39	1
15 Illuminated plastic operator, spring return from right 60°	800EP-LSR39	1
16 Illuminated plastic operator, spring return from left and right 60°	800EP-LSB39	1
Front Elements - 4 Positions		
23 Illuminated plastic operator, maintained	800EP-LSM49	1
24 Illuminated plastic operator, spring return from left	800EP-LSL49	1
25 Illuminated plastic operator, spring return from right	800EP-LSR49	1
26 Illuminated plastic operator, spring return from left and right	800EP-LSB49	1

Individual Part	Cat. No.	PQ
30 Latch for snap-on contact blocks and lamp elements	800E-A3L	10
31 Contact block N.O.  N.C.  N.O.E.M.  N.C.L.B.  N.O. (Low voltage)  N.C. (Low voltage) 	800E-3X10 800E-3X01 800E-3X10E 800E-3X01L 800E-3X10V 800E-3X01V	10
32 Lamp element Standard with diode and resistor  220 VAC 240 VAC	800E-3D0 800E-3R22 800E-3R7	10
33 Lamp element with central lamp test with diode and resistor  220 VAC 240 VAC	800E-3DD0 800E-3RDD22 800E-3RDD7	10
34 Transformer elements 50/60 Hz for mounting on lamp elements primary secondary 110...120 V 6 V 1.2 VA 220 240 V 6 V 1.2 VA 380...415 V 6 V 1.2 VA 440...480 V 6 V 1.2 VA 220...240 V 24 V 1.2 VA	800E-3TS5 800E-3TS7 800E-3TS10 800E-3TS12 800E-3THS7	1
35 Transformer elements 50/60 Hz with lamp element primary secondary 110...120 V 6 V 1.2 VA 220...240 V 6 V 1.2 VA 600 V 6 V 1.2 VA 220...240 V 24 V 1.2 VA 400 V 24 V 1.2 VA	800E-3T5 800E-3T7 800E-3T14 800E-3TH7 800E-3TH10	1
36 Incandescent lamps 6 V 1.2 W 12 V 1.4 W 24 V 1.4 W 36 V 1.4 W 48 V 1.4 W 60 V 1.5 W 110 V 1.9 W for lamp elements 800E-R... and 800E-RDD...130 V2.4 W	800E-N65 800E-N141 800E-N157 800E-N36 800E-N48 800E-N60 800E-N130 800E-N130	10
Neon lamps 110 V...127 V 220 V...240 V	800E-N230 800E-N240	10
LED see page 11-82		

PQ = Package Quantity

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Non-Illuminated Multi-Function Operators



Individual Part	Cat. No.	PQ
01 Colour caps position C white green	800E-AFU1 800E-AFU3	10
02 Colour caps position A white black green red	800E-AFU1 800E-AFU2 800E-AFU3 800E-AFU4	10
03 Colour caps position A black raised red raised additional legend colour caps see pages 11-97 and 11-99	800E-AEU2 800E-AEU4	10
04 Front element with blank cap black without colour caps black plastic	800EP-U2X	★
05 Front element with colour caps on position B, red raised neutral black plastic	800EP-U3X00	★
06 Front element with colour caps on position B, red raised O black plastic	800EP-U3X01	★
07 Front element with colour caps on position B, red raised STOP black plastic	800EP-U3X03	★

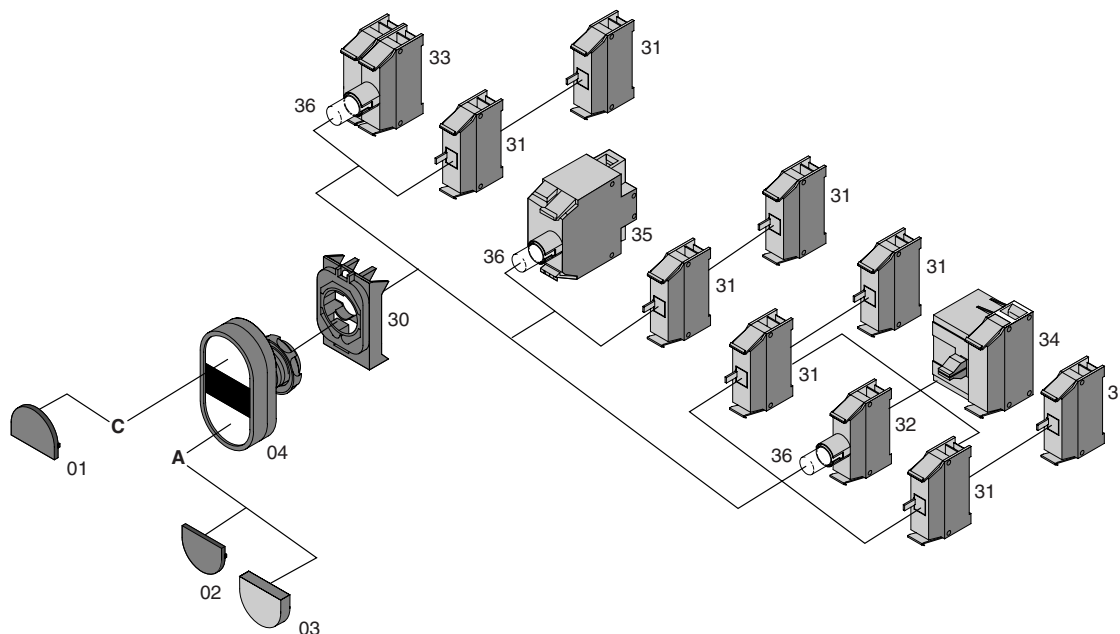
Individual Part	Cat. No.	PQ
30 Latch for snap-on contact blocks and lamp elements	800E-A3L	10
31 Contact block N.O.  N.C.  N.O.E.M.  N.C.L.B.  N.O. (Low voltage) N.C. (Low voltage)	800E-3X10 800E-3X01 800E-3X10E 800E-3X01L 800E-3X10V 800E-3X01V	10

Options	Cat. No. Suffix	Description	Ordering Example
★ Packaging quantity	Blank	 Single package (1 piece standard delivery)	800EP-U2X
	-BP	 Package of 10 pieces	800EP-U2X-BP

PQ = Package Quantity

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Illuminated Multi-Function Operators

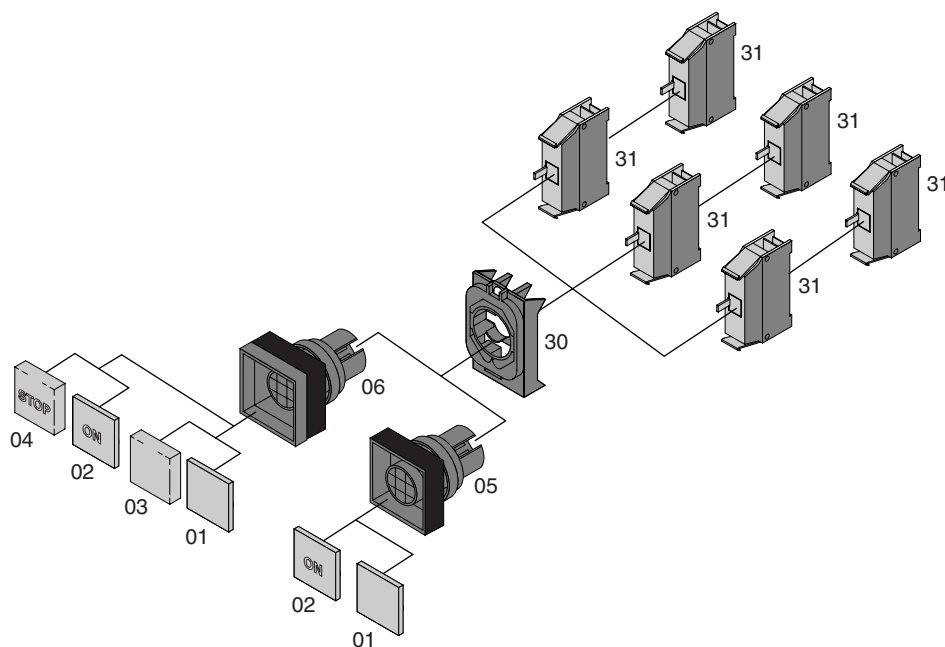


Individual Part	Cat. No.	PQ
01 Colour caps position C white green	800E-AFU1 800E-AFU3	10
02 Colour caps position A white black green red	800E-AFU1 800E-AFU2 800E-AFU3 800E-AFU4	10
03 Colour caps position A black raised red raised additional legend colour caps see pages 11-97 and 11-99	800E-AEU2 800E-AEU4	10
04 Front element with light cap without colour caps black plastic	800EP-LU2X	★
30 Latch for snap-on contact blocks and lamp elements	800E-A3L	10
31 Contact block N.O. N.C. N.O.E.M. N.C.L.B. N.O. (Low voltage) N.C. (Low voltage)	800E-3X10 800E-3X01 800E-3X10E 800E-3X01L 800E-3X10V 800E-3X01V	10
32 Lamp element Standard with diode and resistor 220 VAC 240 VAC	800E-3D0 800E-3R22 800E-3R7	10
33 Lamp element with central lamp test with diode and resistor 220 VAC 240 VAC	800E-3DD0 800E-3RDD22 800E-3RDD7	10

Individual Part	Cat. No.	PQ
34 Transformer elements 50/60 Hz for mounting on lamp elements primary secondary 110...120 V 6 V 1.2 VA 220 240 V 6 V 1.2 VA 380...415 V 6 V 1.2 VA 440...480 V 6 V 1.2 VA 220...240 V 24 V 1.2 VA	800E-3TS5 800E-3TS7 800E-3TS10 800E-3TS12 800E-3THS7	1
35 Transformer elements 50/60 Hz with lamp element primary secondary 110...120 V 6 V 1.2 VA 220...240 V 6 V 1.2 VA 600 V 6 V 1.2 VA 220...240 V 24 V 1.2 VA 400 V 24 V 1.2 VA	800E-3T5 800E-3T7 800E-3T14 800E-3TH7 800E-3TH10	1
36 Incandescent lamps 6 V 1.2 W 12 V 1.4 W 24 V 1.4 W 36 V 1.4 W 48 V 1.4 W 60 V 1.5 W 110 V 1.9 W for lamp elements 800E-R... and 800E-RDD... 130 V 2.4 W	800E-N65 800E-N141 800E-N157 800E-N36 800E-N48 800E-N60 800E-N130 800E-N130	10
Neon lamps 110 V...127 V 220 V...240 V	800E-N230 800E-N240	10
LED see page 11-82		

Incandescent Lamps, LED - Page 11-82
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Non-Illuminated Push Buttons



Individual Part	Cat. No.	PQ
01 Colour caps white black green red yellow blue	800EQ-AF1 800EQ-AF2 800EQ-AF3 800EQ-AF4 800EQ-AF5 800EQ-AF6	10
02 Legend colour caps green green START green ON red O red STOP red OFF additional legend colour caps see pages 11-91...11-96	800EQ-AF306W 800EQ-AF301W 800EQ-AF303W 800EQ-AF405W 800EQ-AF402W 800EQ-AF404W	10
03 Raised colour caps white black green red yellow blue	800EQ-AE1 800EQ-AE2 800EQ-AE3 800EQ-AE4 800EQ-AE5 800EQ-AE6	10
04 Raised legend colour caps red O red STOP red OFF additional legend colour caps see pages 11-91...11-96	800EQ-AE4HY910W 800EQ-AE4HE02W 800EQ-AE4HE04W	10

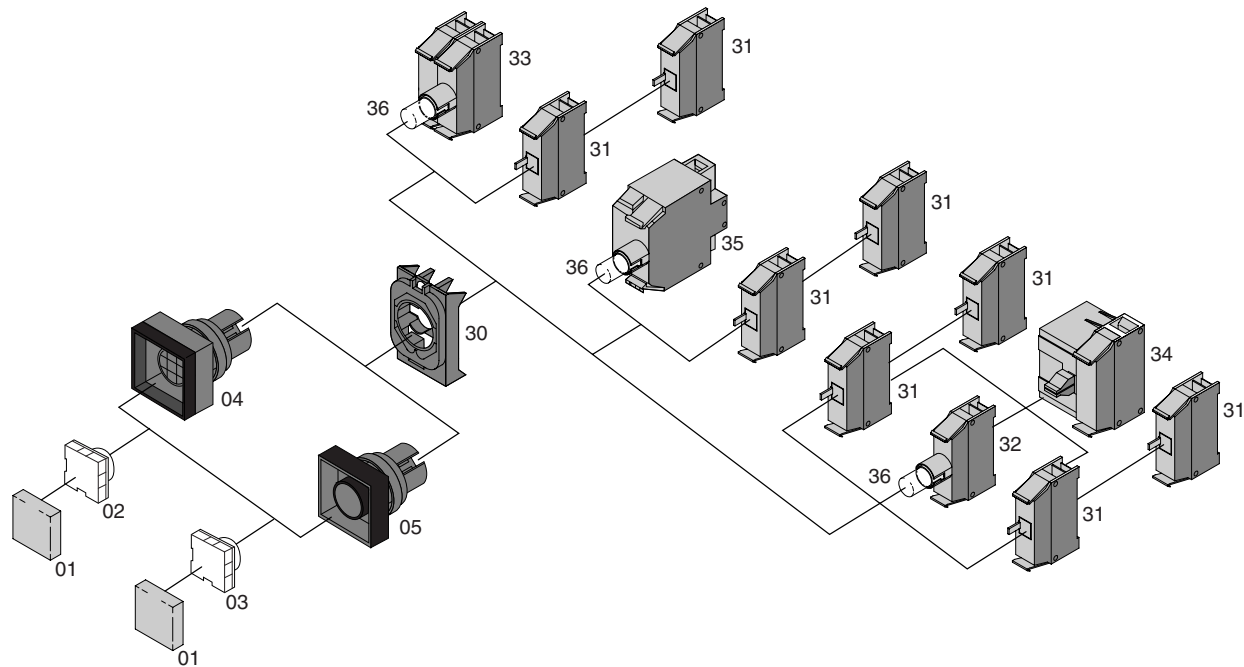
Individual Part	Cat. No.	PQ
05 Plastic front element, flush	800EQ-F9	☆
Plastic front element maintained, flush	800EQ-FA9	☆
06 Plastic front element with raised front ring	800EQ-G9	☆
30 Latch for snap-on contact blocks and lamp elements	800E-A3L	10
31 Contact block N.O. N.C. N.O.E.M. N.C.L.B. N.O. (Low voltage) N.C. (Low voltage)	800E-3X10 800E-3X01 800E-3X10E 800E-3X01L 800E-3X10V 800E-3X01V	10

Options	Cat. No. Suffix	Description	Ordering Example
☆ Packaging quantity	Blank	Single package (1 piece standard delivery)	800EQ-F9
	-BP	Package of 10 pieces	800EQ-F9-BP

PQ = Package Quantity

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Illuminated Push Buttons



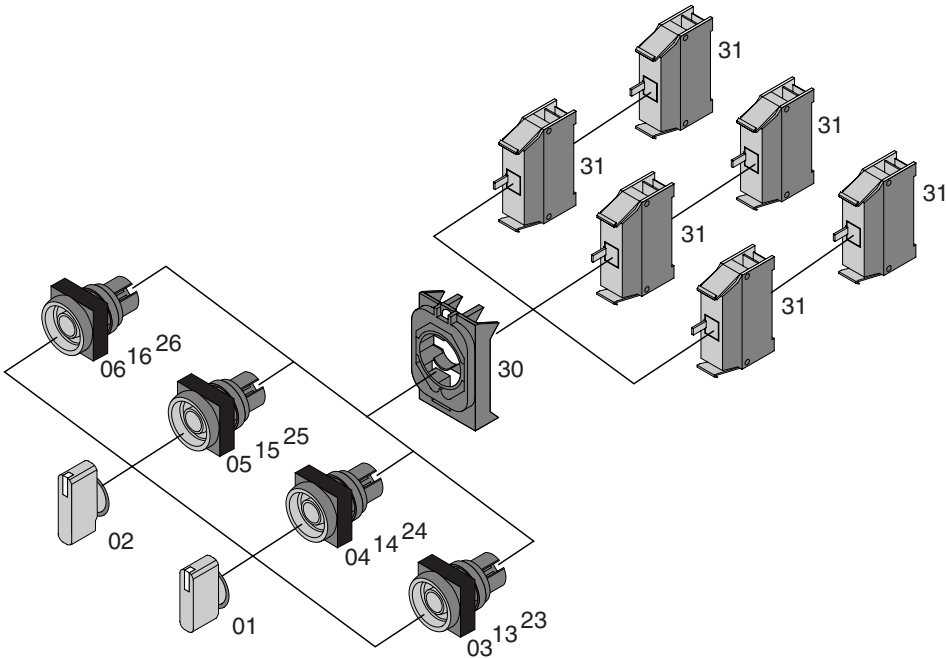
Individual Part	Cat. No.	PQ
01 Lens caps green red yellow blue transparent	800EQ-ALF3 800EQ-ALF4 800EQ-ALF5 800EQ-ALF6 800EQ-ALF7	10
02 Diffuser blank	800EQ-AD2	10
03 Legend diffuser see pages 11-91...11-96		
04 Illuminated plastic front element, flush	800EQ-LF9	★
Illuminated plastic front element maintained, flush	800EQ-LFA9	★
05 Illuminated front element raised	800EQ-LE9	1
30 Latch for snap-on contact blocks and lamp elements	800E-A3L	10
31 Contact block N.O. N.C. N.O.E.M. N.C.L.B. N.O. (Low voltage) N.C. (Low voltage)	800E-3X10 800E-3X01 800E-3X10E 800E-3X01L 800E-3X10V 800E-3X01V	10
32 Lamp element Standard with diode and resistor 220 VAC 240 VAC	800E-3D0 800E-3R22 800E-3R7	10

Individual Part	Cat. No.	PQ
33 Lamp element central lamp test with diode and resistor 220 VAC 240 VAC	800E-3DD0 800E-3RDD22 800E-3RDD7	10
34 Transformer elements 50/60 Hz for mounting on lamp elements primary secondary 110...120 V 6 V 1.2 VA 220 240 V 6 V 1.2 VA 380...415 V 6 V 1.2 VA 440...480 V 6 V 1.2 VA 220...240 V 24 V 1.2 VA	800E-3TS5 800E-3TS7 800E-3TS10 800E-3TS12 800E-3THS7	1
35 Transformer elements 50/60 Hz with lamp element primary secondary 110...120 V 6 V 1.2 VA 220...240 V 6 V 1.2 VA 600 V 6 V 1.2 VA 220...240 V 24 V 1.2 VA 400 V 24 V 1.2 VA	800E-3T5 800E-3T7 800E-3T14 800E-3TH7 800E-3TH10	1
36 Incandescent lamps 6 V 1.2 W 12 V 1.4 W 24 V 1.4 W 36 V 1.4 W 48 V 1.4 W 60 V 1.5 W 110 V 1.9 W for lamp elements 800E-R... and 800E-RDD... 130 V 2.4 W	800E-N65 800E-N141 800E-N157 800E-N36 800E-N48 800E-N60 800E-N130 800E-N130	10
Neon lamps 110 V...127 V 220 V...240 V	800E-N230 800E-N240	10
LED see page 11-82.		

PQ = Package Quantity

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Non-Illuminated 2, 3 or 4 Position Selector Switch Operators



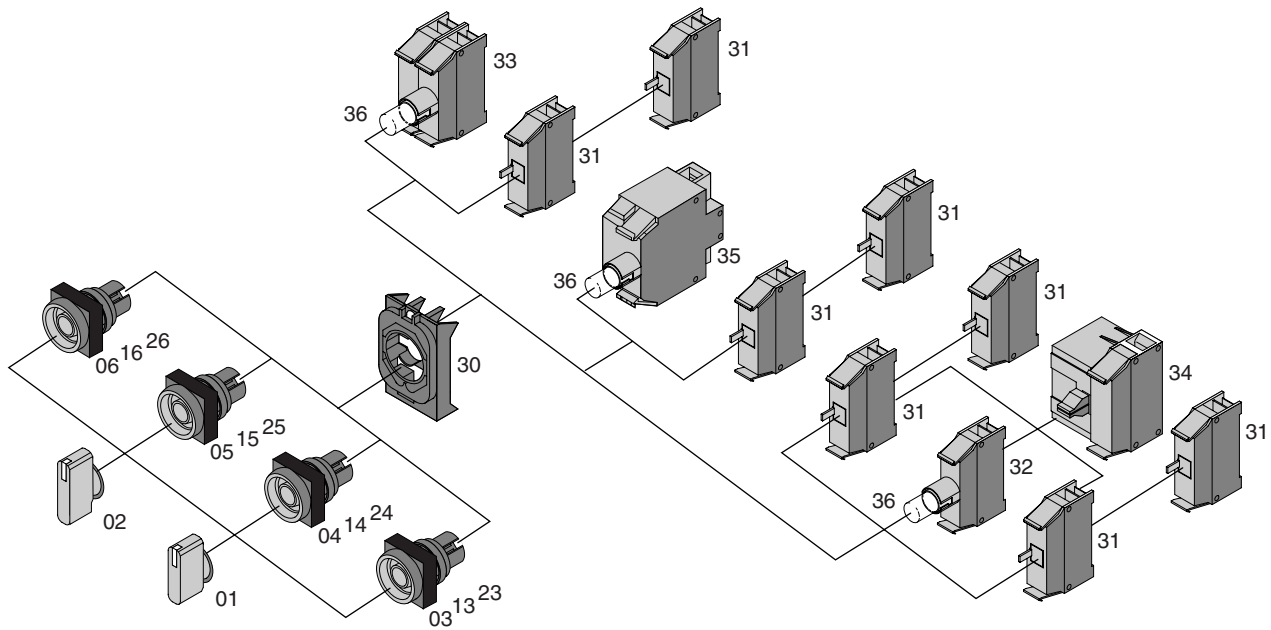
Individual Part		Cat. No.	PQ
01 Non-illuminated standard knob, black plastic front ring	white	800EQ-AS1	10
	green	800EQ-AS3	
	red	800EQ-AS4	
	yellow	800EQ-AS5	
	blue	800EQ-AS6	
02 Non-illuminated lever, black plastic front ring	white	800EQ-AH1	10
	green	800EQ-AH3	
	red	800EQ-AH4	
	yellow	800EQ-AH5	
	blue	800EQ-AH6	
Front Element, 2 Positions			
03 Non-illuminated 2 position selector switch operator, maintained 60°		800EQ-SM29	1
04 Non-illuminated 2 position selector switch operator, maintained 90°		800EQ-SN29	1
05 Non-illuminated 2 position selector switch operator, spring return from left 60°		800EQ-SL29	1
06 Non-illuminated 2 position selector switch operator, spring return from right 60°		800EQ-SR29	1

Individual Part	Cat. No.	PQ
Front Element - 3 Positions		
13 Non-illuminated 3 position selector switch operator, maintained 60°	800EQ-SM39	1
14 Non-illuminated 3 position selector switch operator, spring return from left 60°	800EQ-SL39	1
15 Non-illuminated 3 position selector switch operator, spring return from right 60°	800EQ-SR39	1
16 Non-illuminated 3 position selector switch operator, spring return from left and right 60°	800EQ-SB39	1
Front Element - 4 Positions		
23 Non-illuminated 4 position selector switch operator, maintained	800EQ-SM49	1
24 Non-illuminated 4 position selector switch operator, spring return from left	800EQ-SL49	1
25 Non-illuminated 4 position selector switch operator, spring return from right	800EQ-SR49	1
26 Non-illuminated 4 position selector switch operator, spring return from left and right	800EQ-SB49	1
30 Latch for snap-on contact blocks and lamp elements	800E-A3L	10
31 Contact block		10
N.O.		
N.C.		
N.O.E.M.		
N.C.L.B.		
N.O. (Low voltage)		
N.C. (Low voltage)		
	800E-3X10 800E-3X01 800E-3X10E 800E-3X01L 800E-3X10V 800E-3X01V	

PQ = Package Quantity

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Illuminated 2, 3 or 4 Position Selector Switch Operators



Individual Part		Cat. No.	PQ
01 Illuminated standard knob, black plastic front ring	white	800EQ-ALS1	10
	green	800EQ-ALS3	
	red	800EQ-ALS4	
	yellow	800EQ-ALS5	
	blue	800EQ-ALS6	
02 Illuminated lever, black plastic front ring	white	800EQ-ALH1	10
	green	800EQ-ALH3	
	red	800EQ-ALH4	
	yellow	800EQ-ALH5	
	blue	800EQ-ALH6	
Front Element - 2 Positions			
03 Illuminated plastic operator maintained 60°		800EQ-LSM29	1
04 Illuminated plastic operator maintained 90°		800EQ-LSN29	1
05 Illuminated plastic operator spring return from left 60°		800EQ-LSL29	1
06 Illuminated plastic operator Spring Return from Right 60°		800EQ-LSR29	1
Front Element - 3 Positions			
13 Illuminated plastic operator maintained 60°		800EQ-LSM39	1
14 Illuminated plastic operator spring return from left 60°		800EQ-LSL39	1
15 Illuminated plastic operator Spring Return from Right 60		800EQ-LSR39	1
16 Illuminated plastic operator spring return from left and right 60°		800EQ-LSB39	1
Front Element - 4 Positions			
23 Illuminated plastic operator maintained 60°		800EQ-LSM49	1
24 Illuminated plastic operator spring return from left		800EQ-LSL49	1
25 Illuminated plastic operator Spring Return from Right		800EQ-LSR49	1
26 Illuminated plastic operator spring return from left and right		800EQ-LSB49	1

PQ = Package Quantity

Individual Part	Cat. No.	PQ
30 Latch for snap-on contact blocks and lamp elements	800E-A3L	10
31 Contact block		
N.O.	800E-3X10	10
N.C.	800E-3X01	
N.O.E.M.	800E-3X10E	
N.C.L.B.	800E-3X01L	
N.O. (Low voltage)	800E-3X10V	
N.C. (Low voltage)	800E-3X01V	
32 Lamp element Standard with diode and resistor	800E-3D0	10
220 VAC	800E-3R22	
240 VAC	800E-3R7	
33 Lamp element with central lamp test with diode and resistor	800E-3DD0	10
220 VAC	800E-3RDD22	
240 VAC	800E-3RDD7	
34 Transformer elements 50/60 Hz for mounting on lamp elements		
primary secondary		1
110...120 V 6 V 1.2 VA	800E-3TS5	
220...240 V 6 V 1.2 VA	800E-3TS7	
380...415 V 6 V 1.2 VA	800E-3TS10	
440...480 V 6 V 1.2 VA	800E-3TS12	
220...240 V 24 V 1.2 VA	800E-3THS7	
35 Transformer elements 50/60 Hz with lamp element		
primary secondary		1
110...120 V 6 V 1.2 VA	800E-3T5	
220...240 V 6 V 1.2 VA	800E-3T7	
600 V 6 V 1.2 VA	800E-3T14	
220...240 V 24 V 1.2 VA	800E-3TH7	
400 V 24 V 1.2 VA	800E-3TH10	
36 Incandescent lamps, neon lamps or LED see page 11-82.		

Incandescent Lamps, LED - Page 11-82
 Accessories - Page 11-78
 Specifications - Page 11-116
 Dimensions - Page 11-120

Specifications for the Front Elements

Mechanical Power Ratings

Description	Plastic (800EP/ES)	Metal (800EM)
Vibration Resistance (if mounted)	10...2000 Hz, max shifting 1.52 mm / 10 G max.	
Shock Resistance	1/2 sinus wave (without damage) 100 G, 11 ms	
Protection Class	IP66 (NEMA Type 3/3R/4/4X/12/13) IP65 (only potentiometer) (NEMA Type 4/4X/13) IP40 Multi-function operator without sealing cap IP66 Multi-function operator with sealing cap	IP66 (NEMA Type 3/3R/4/12/13)
Mechanical Lifespan	Non-illuminated push buttons 10,000,000 operations Illuminated push buttons 3,000,000 operations Multi-function operators 3,000,000 operations Momentary mushroom operators, selector switch operators 500,000 operations Illuminated selector switch operators 200,000 operations Mushroom operators with key lock (plastic), selector jog operators, wobble stick operators and Joy stick operators 100,000 operations Mushroom operators with key lock (metal) 50,000 operations	
Operating Force	5N: flush and raised	
Ambient Temperature		
Operation [°C]	-25...+55 ❶	
Storage [°C]	-40...+70 (85 °C for max. 24 hours)	
Climatic Withstand	50% up to 95% RH from 25...60 °C (77...140 °F) per: instruction IV MIL-STD-810C, Method 507.1 cycle test	

❶ Operating temperature below 0 °C is only possible without humidity

Specifications for Contact Blocks, Lamp and Transformer Elements

Electrical Power Ratings

Description	2-Across on 1 st Level	3-Across on 1 st Level
Standard Contact Blocks	AC 15: 3 A, 240 V DC 13: 0.55 A, 125 V	(see page 11-118)
Low Voltage Contact Blocks	5...48V DC and 1...100 mA 240V AC max. and 0.4 A max. PenTUFF™: Contacts	1 mA DC min. 600V AC NEMA A600, Q600 (see page 11-118)
Rated Thermal Current I_{th}	10 A max. continuous current per UL508, CSA22.2 #14, IEC 947, VDE 0660, Part 200	10 A max. continuous current without enclosure (40 °C) 6 A with enclosure (60 °C)
Rated Insulation Category U_i	Category C, 500V per VDE 0110 600V (UL / CSA)	
Terminal Marking	According to CENELEC EN50013	
Terminals	0.75...2.5 mm ² max. 2 x 2.5 mm ² or 1 x 4 mm ²	0.75...2.5 mm ² max. 2 x 2.5 mm ² or 1 x 4 mm ²
Rated Insulation Category U_i	Group C, 500 V per VDE 0110 600 V UL, CSA	Group C, 500 V per VDE 0110 600 V UL, CSA
Pre Fuse	Standard Contacts: 10 A gl or N type cartridge fuse per IEC 269-1, 269-2 (1986) PenTUFF™ Contacts: 6 A gl or N type cartridge fuse per IEC 269-1, 269-2 (1986)	10 A slow (DT, gl)
Electrical Lifespan	1,000,000 operations at 2 A	1,000,000 operations at 2 A
Protection Class	Finger safe IP2X	

Mechanical Power Ratings

Description	2-Across on 1 st Level	3-Across on 1 st Level
Vibration Resistance [G] (if mounted)	10...2000 Hz, max. shifting 1.52 mm / 10 G max. 6 hours	10...150 Hz, max. shifting 0.15 mm / 2 G max. 6 hours
Schock Resistance [G]	1/2 sinus wave (without damage) max. 100 G, 11 ms	1/2 Sinus wave (without damage) max. 50 G, 11 ms

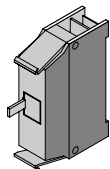
Environment

Description	2-Across on 1 st Level	3-Across on 1 st Level
Ambient Temperature	-25...+55°C ①	
Operation [°C]	-25...+55°C (70°C for max. 24 hours)	
Storage [°C]		
Climatic Withstand	50 % up to 95 % RH from 25 °C...60 °C (77...140 °F) per: Instruction IV MIL-STD- 810C, Method 507.1 cycle test	40 °C (104 °F) @95 % RH for 56 days 23 °C (73.4 °F), 83 % RH/40 °C (104 °F), 93 % RH for 20 cycles

Materials

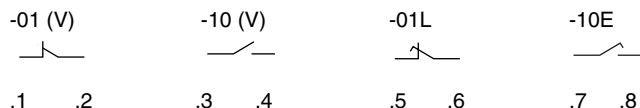
Approvals	UL Listed / CSA Certified	UL Listed / CSA Certified
Standards and Regulations	UL508, UL486E CSA22.2 #14, NEMA ICS-1 and ICS-2 (1983), IEC 144, IEC 947-1, IEC 947-5, VDE 0550, VDE 0660, Part 200	NEMA ICS-1 and ICS-2 IEC 204-1, 947; SEV 1005, 1093; VDE 0113, 0660 Part 201; BS 4794; CEE 24; UL 486E, UL 508, CSA22.2 #14

Contact Blocks

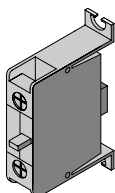


800E-3X... for front mounting

Front Mounting

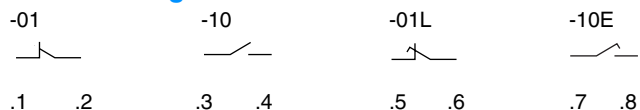


- Snap-on latch
- 2 contact levels
- Up to 3 contact blocks per contact level



800E-3BX... for base mounting

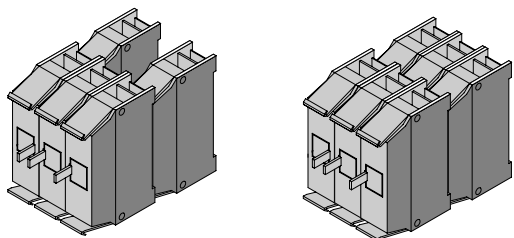
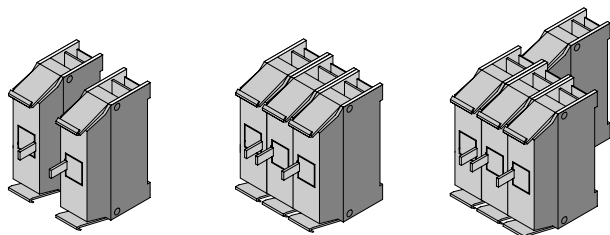
Base Mounting



- Snap-on to the inside of the enclosure base or onto a hat rail, or secure with two screwed fixing straps
- 3 contact blocks in one contact level possible

Possibilities to Combine (Front Mounting)

There are maximum 6 contact block to be combined.



Specifications

Rated Thermal Current I_{th}

open	(ambient 40 °C)	10 A
enclosed	(ambient 60 °C)	6 A

Rated Operating Voltage U_e

690 VAC

Rated Operating Current I_e

	24 V	48 V	110 V	220 V	240 V
AC-1	10 A	10 A	10 A	10 A	10 A
AC-15	8 A	8 A	6 A	3 A	3 A

	380 V	400 V	415 V	500 V	690 V
AC-1	10 A	10 A	10 A	10 A	10 A
AC-15	2.1 A	2 A	2 A	1.6 A	0.75 A

Rated Operating Current I_e

DC-13	24 V	48 V	110 V	125 V	220 V
-01, -10	3 A	1.5 A	0.6 A	0.6 A	0.3 A
-01L, -10E	1.3 A	0.4 A	0.13 A	0.13 A	0.1 A

DC-13	250 V	400 V	440 V	500 V	600 V
-01, -10	0.3 A	0.2 A	0.2 A	0.15 A	0.13 A
-01L, -10E	65 mA	26 mA	26 mA	-	-

Short Circuit Withstand

without welding slow (DT, gG) 10 A

Switching Rate

6000 operations/h

Fuse Rating

Permissible rated current fast (DT, gF) 16 A
 slow (DT, gG) 10 A

Electrical Lifespan

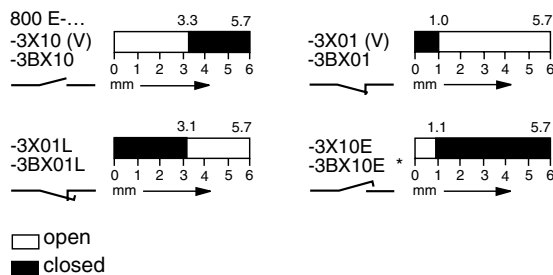
AC-15	0.1 A	1 A	2 A	3 A
Millions of operations	10	3	1	0.5

Contact Duty

electronic circuit (H-type bridges)

positive open for 800E-3X01
 800E-3X01V
 800E-3BX01
 800E-3X01L
 800E-3BX01L

Contact Travel

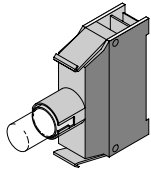


Terminal Marking

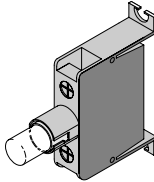
Terminals

according to DIN EN 50 013
 0.75...2.5 mm² 18...22 AWG

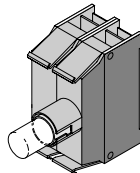
Lamp Elements



800E-3D0,
800E-3R...



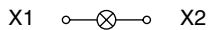
800E-3DB0,
800E-3RB...



800E-3DD0
800E-3RDD...

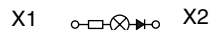
Versions

800E-3D0, 800E-3DB0



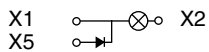
Standard element
Operating voltage
max. 250 V

800E-3R..., 800E-3RB...



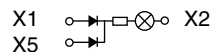
With series diode and resistors
at 220 VAC or 240 VAC
Use incandescent lamp 130 V/2.4 W

800E-3DD0



With central lamp test
Operating voltage
max. 250 V

800E-3RDD...



With central lamp test
With series diode and resistors
at 220 VAC or 240 VAC
Use incandescent lamp 130 V/2.4 W

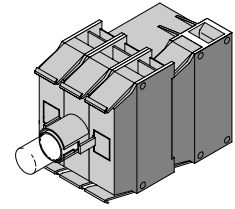
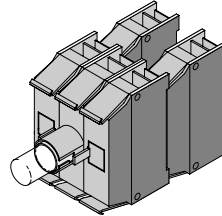
Specifications

Lamp ratings
Terminal markings
Terminals
Lamp socket

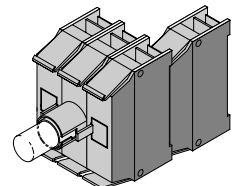
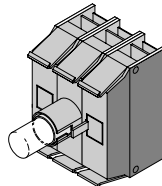
2 W (2.6 W for pilot lights)
according to DIN EN 50 013
0.75...2.5 mm²
BA 9s

Possibilities to Combine

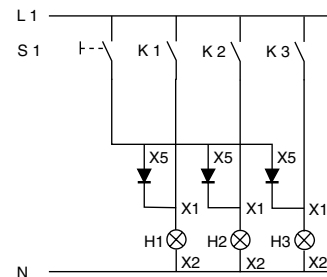
800E-3D0, 800E-3R... are to be combined with maximum 4 contact blocks or 2 contact blocks and one transformer element.



800E-3DD0, 800E-3RDD... are to be combined with maximum 2 contact blocks.



Central Lamp Test

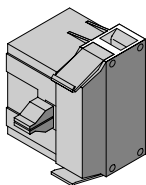


Transformer Elements

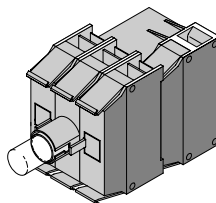
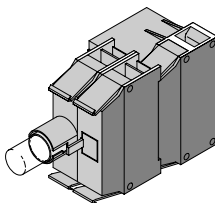
Specifications

Performance
Terminal markings
Terminals
Lamp socket

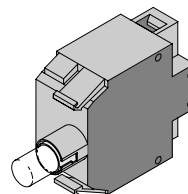
max. 1.2 VA, 50/60 Hz
according to DIN EN 50 013
0.75...2.5 mm²
BA 9s



800E-3TS...



Transformer Element with integrated Lamp Element



800E-3T... (without incandescent lamp)

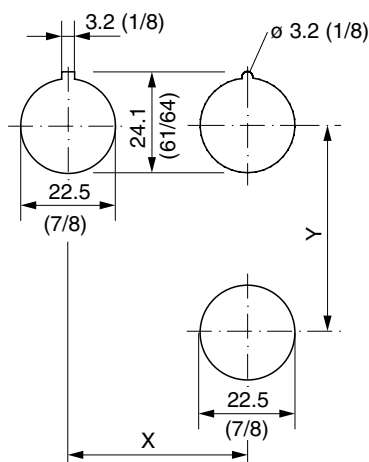


Possibilities to Combine

The 800E-3TS... transformer element may be combined with a lamp element 800E-3D0 or 800E-3R... and maximum 2 contact blocks.

Push Buttons Round

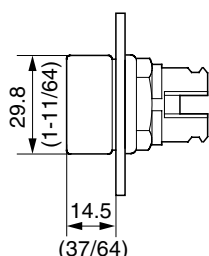
Dimensions in mm and (")



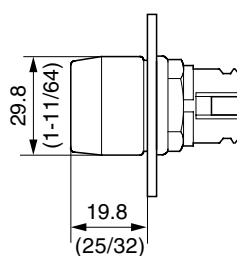
Panel thickness range 1...6 mm ($\frac{3}{64}$... $\frac{15}{64}$).
 Max. panel thickness reduced by 4.5 mm ($\frac{3}{16}$)
 when optional legend plate carries are used

Panel Hole Distance			
Front Element	Legend Plate Carrier Used	X	Y
Push button	Any	30 ($\frac{13}{16}$)	50 ($\frac{131}{32}$)
Mushroom operator $\varnothing$ 40 mm	Any	40 ($\frac{137}{64}$)	50 ($\frac{131}{32}$)
Mushroom operator $\varnothing$ 60 mm	Any	60 ($\frac{23}{8}$)	60 ($\frac{23}{8}$)
Selector jog	Any	48 ($\frac{157}{64}$)	50 ($\frac{131}{32}$)
Any	$\varnothing$ 60 mm	60 ($\frac{23}{8}$)	60 ($\frac{23}{8}$)
Any	$\varnothing$ 90 mm	90 ($\frac{39}{16}$)	90 ($\frac{39}{16}$)

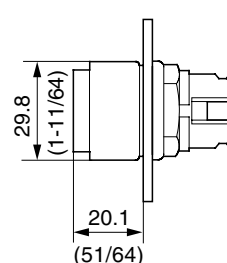
Non-Illuminated Momentary Push Button, Flush



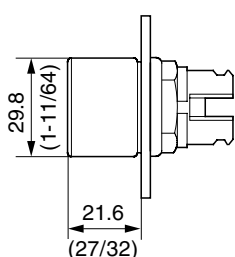
Illuminated Momentary Push Button, Flush



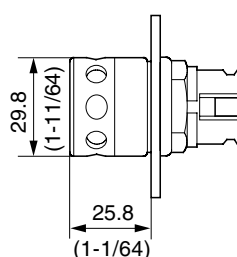
Non-Illuminated and Illuminated Momentary Push Button, Raised



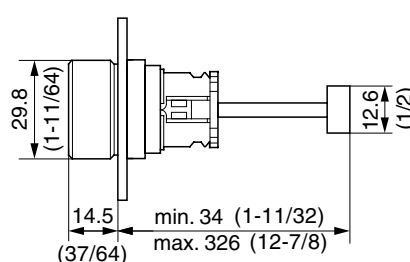
Non-Illuminated Momentary Push Button, Guarded



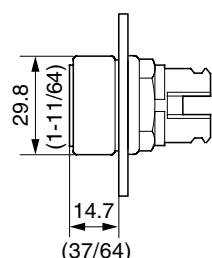
Illuminated Momentary Push Button, Guarded



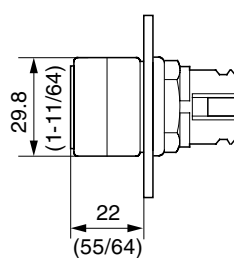
Non-Illuminated Reset Operator



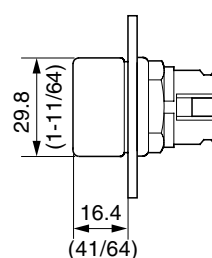
Non-Illuminated Maintained Push Button, Flush



Illuminated Maintained Push Button, Flush



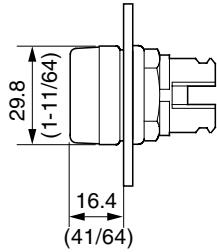
Pilot Light Standard



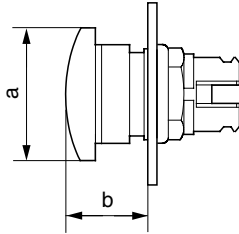
Push Buttons Round

Dimensions in mm and (")

Pilot Light, Optically Enhanced

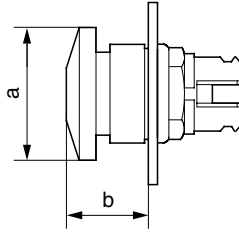


Non-Illuminated Momentary
Mushroom Operator, 40 mm or 60 mm



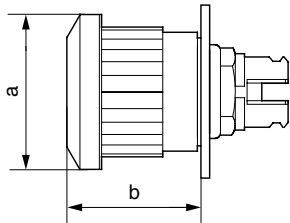
a	b	
	OFF	ON
40 (1 ⁹ / ₁₆)	27 (1 ¹ / ₁₆)	22.8 (⁵⁷ / ₆₄)
60 (2 ²³ / ₆₄)	27 (1 ¹ / ₁₆)	22.8 (⁵⁷ / ₆₄)

Momentary Mushroom Operator,
Push-Twist/Pull to Release
40 mm or 60 mm



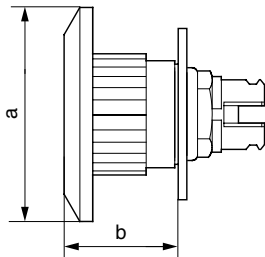
a	b	
	OFF	ON
40 (1 ⁹ / ₁₆)	27 (1 ¹ / ₁₆)	22.8 (⁵⁷ / ₆₄)
60 (2 ²³ / ₆₄)	27 (1 ¹ / ₁₆)	22.8 (⁵⁷ / ₆₄)

Non-Illuminated and Illuminated
Momentary Mushroom Operator,
Push-Twist/Pull to Release
40 mm or 60 mm



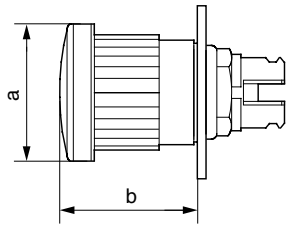
a	b	
	OFF	ON
40 (1 ³⁷ / ₆₄)	37.9 (1 ³¹ / ₆₄)	32.9 (1 ¹⁹ / ₆₄)
60 (2 ²³ / ₆₄)	37.9 (1 ³¹ / ₆₄)	32.9 (1 ¹⁹ / ₆₄)

Non-Illuminated and Illuminated
Momentary Mushroom Operator,
Push-Pull 40 mm or 60 mm



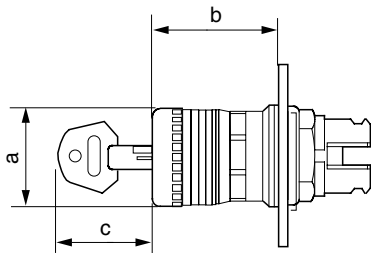
a	b		
	OFF	NEUTRAL	ON
40 (1 ³⁷ / ₆₄)	37.9 (1 ³¹ / ₆₄)	35.3 (1 ²⁵ / ₆₄)	32.9 (1 ¹⁹ / ₆₄)
60 (2 ²³ / ₆₄)	37.9 (1 ³¹ / ₆₄)	35.3 (1 ²⁵ / ₆₄)	32.9 (1 ¹⁹ / ₆₄)

Illuminated Momentary
Mushroom Operator,
40 mm or 60 mm



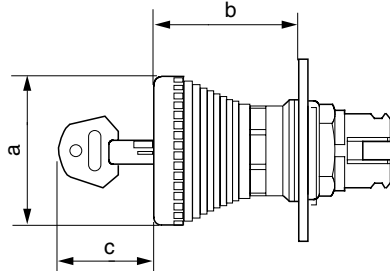
a	b	
	OFF	ON
40 (1 ³⁷ / ₆₄)	37.9 (1 ³¹ / ₆₄)	32.2 (1 ⁵ / ₁₆)
60 (2 ²³ / ₆₄)	37.9 (1 ³¹ / ₆₄)	33.2 (1 ⁵ / ₁₆)

EMERGENCY STOP Operator
ø 30 mm



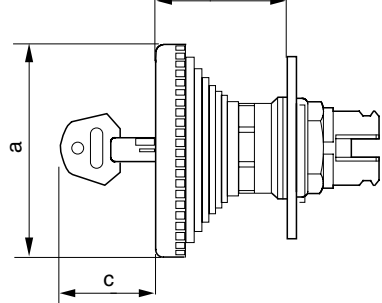
a	b		c	
	OFF	ON	Ronis	Zadi
30 (1 ¹ / ₅)	41 (1.6)	36 (1.4)	27 (1.1)	24 (.94)

EMERGENCY STOP Operator
ø 40 mm



a	b		c	
	OFF	ON	Ronis	Zadi
40 (1.6)	41 (1.6)	36 (1.4)	27 (1.1)	24 (.94)

EMERGENCY STOP Operator
ø 60 mm

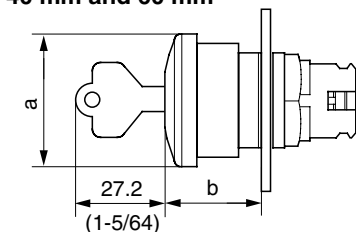


a	b		c	
	OFF	ON	Ronis	Zadi
60 (2.4)	41 (1.6)	36 (1.4)	27 (1.1)	24 (.94)

Push Buttons Round

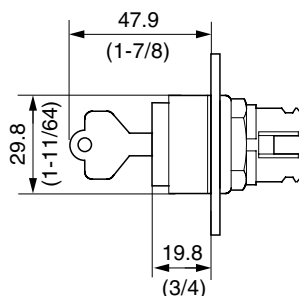
Dimensions in mm and (")

Non-Illuminated Mushroom Key Operator 40 mm and 60 mm

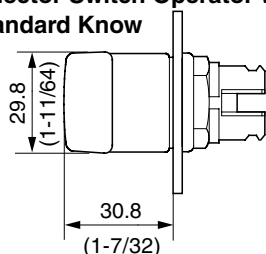


a	b	
	OFF	ON
40 (1 ⁹ / ₁₆)	34 (1 ¹¹ / ₃₂)	29.2 (1 ⁹ / ₆₄)
60 (2 ¹⁹ / ₆₄)	34 (1 ¹¹ / ₃₂)	29.2 (1 ⁹ / ₆₄)

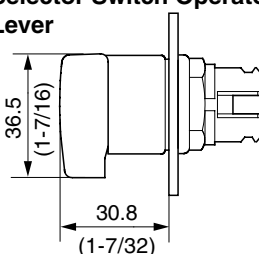
Key Operated Selector Switch Operator



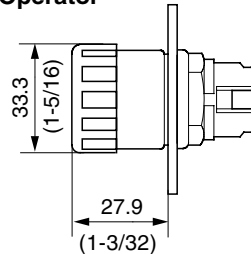
Non-Illuminated and Illuminated Selector Switch Operator with Standard Know



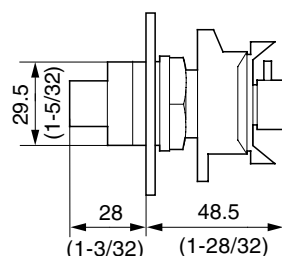
Non-Illuminated and Illuminated Selector Switch Operator with Lever



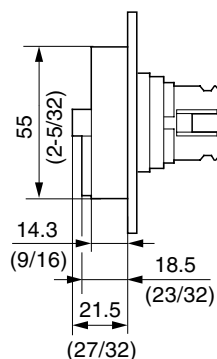
Non-Illuminated Selector Jog Operator



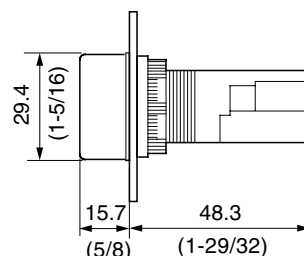
Potentiometer Drive Operator



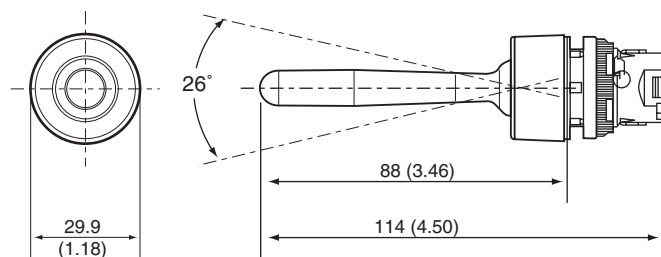
Non-Illuminated and Illuminated Multi-Function Operator



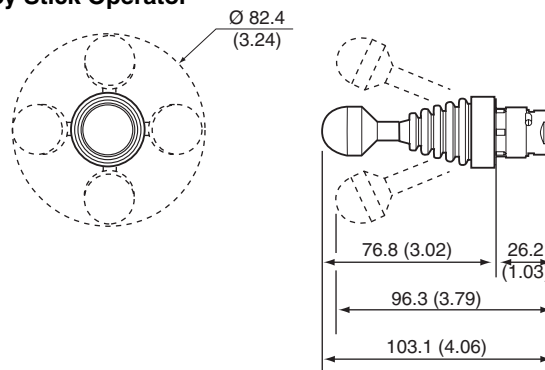
eco-Pilot Light Standard



Wobble Stick Operator



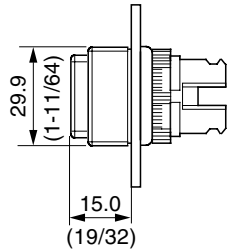
Joy Stick Operator



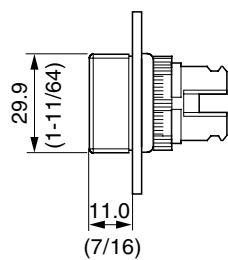
Push Buttons Square

Dimensions in mm and (")

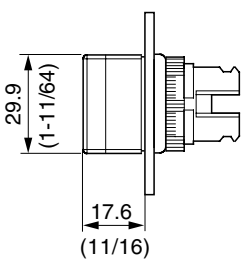
Non-Illuminated Push Button, Raised



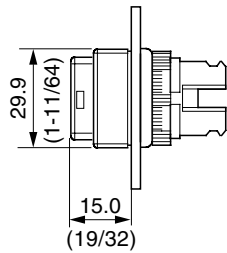
Non-Illuminated Push Button, Flush



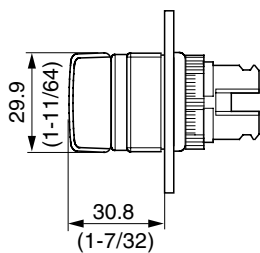
Illuminated Push Button, Flush



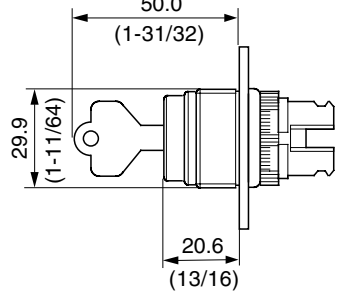
Illuminated Push Button, Raised



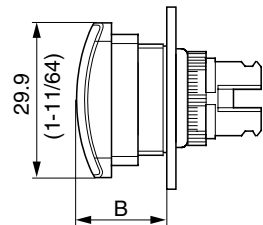
Non-Illuminated and Illuminated Selector Switch Operator with Standard Knob



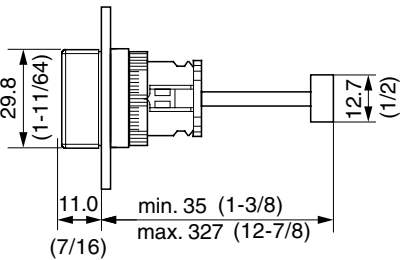
Key Operated Selector Switch Operator



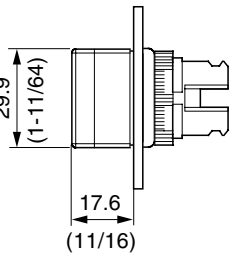
Non-Illuminated Mushroom Operator



Reset Operator

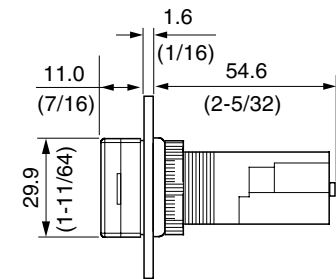


Non-Illuminated Push Button, Raised

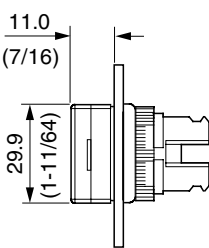


B	
OFF	ON
24.4 (31/32)	19.6 (49/64)

eco-Pilot Light Standard



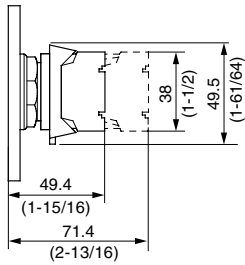
Pilot Light Standard



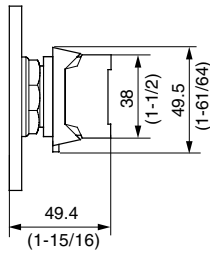
Contact Blocks, Lamp and Transformer Elements for Latch Mounting
Dimensions in mm and (")

3-Across

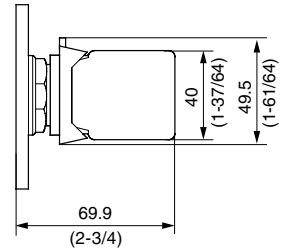
Contact Blocks Latch Included
(max. 2 Contact Levels)



Lamp Element Latch Included

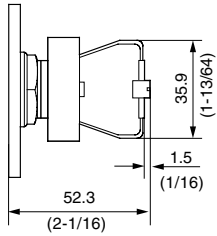


Transformer Element Latch Included

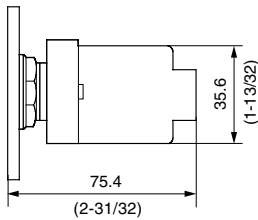


2-Across

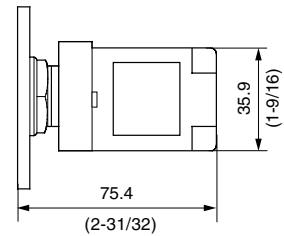
Contact Block „Low Voltage“ Latch included



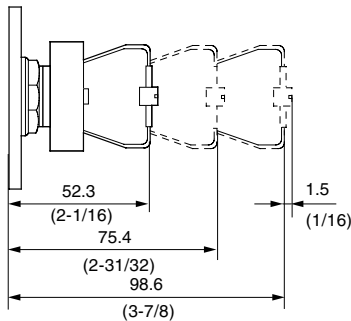
Lamp Element Latch included



Transformer Element Latch included



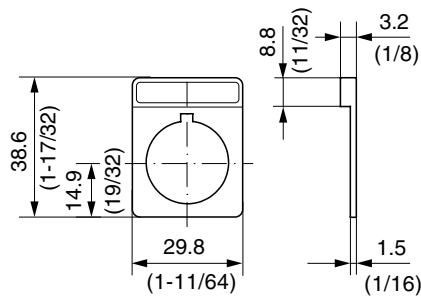
Contact Block Latch included (max. 3 Contact Levels)



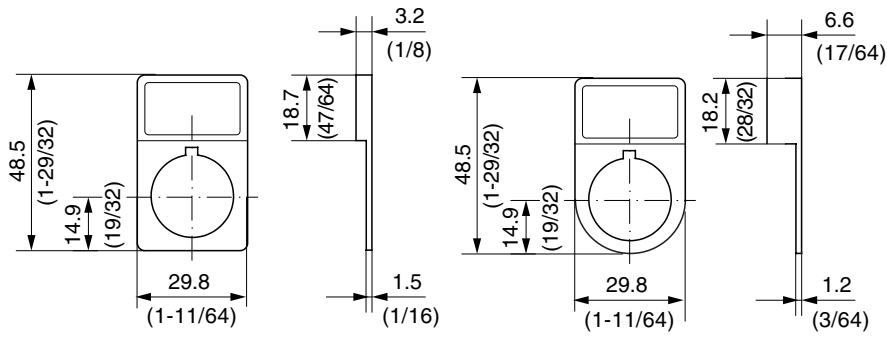
Accessories

Dimensions in mm and (")

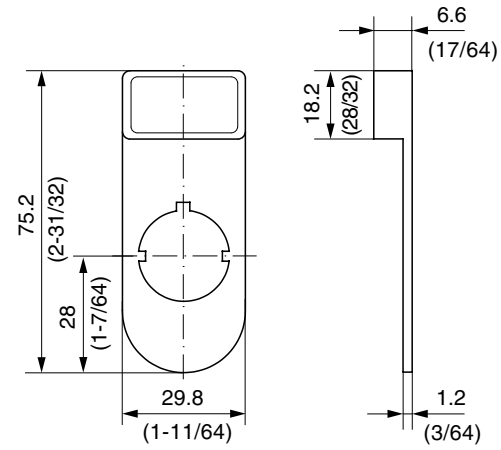
Legend Plate Carrier
30 x 40 mm IP65



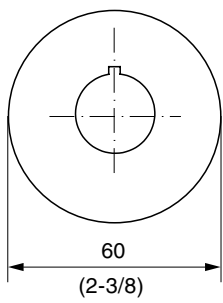
Legend Plate Carrier
30 x 50 mm IP65



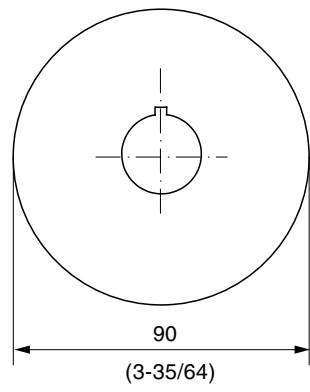
Legend Plate Carrier for Multi-Function Operator
30 x 75 mm IP65



EMERGENCY-STOP Ring ø 60 mm



EMERGENCY-STOP Ring ø 90 mm

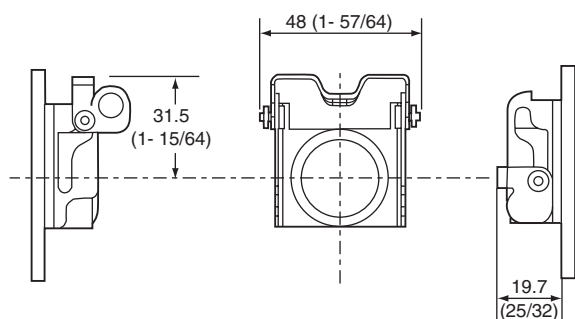


Accessories

Dimensions in mm and (")

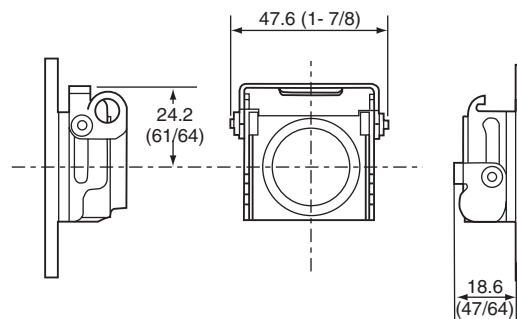
Locking Attachment

for flush non-illuminated push button



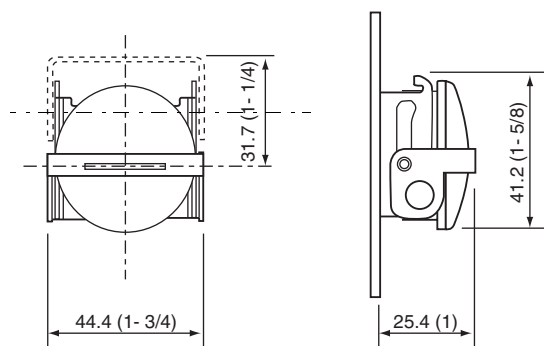
Locking Attachment

for raised non-illuminated push button



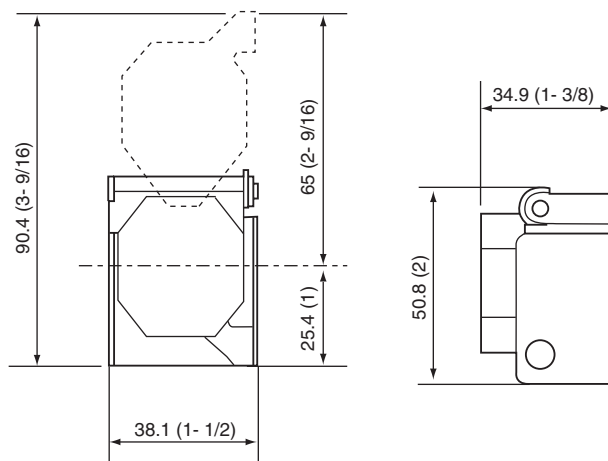
Locking Attachment

for mushroom operator $\varnothing$ 40 mm



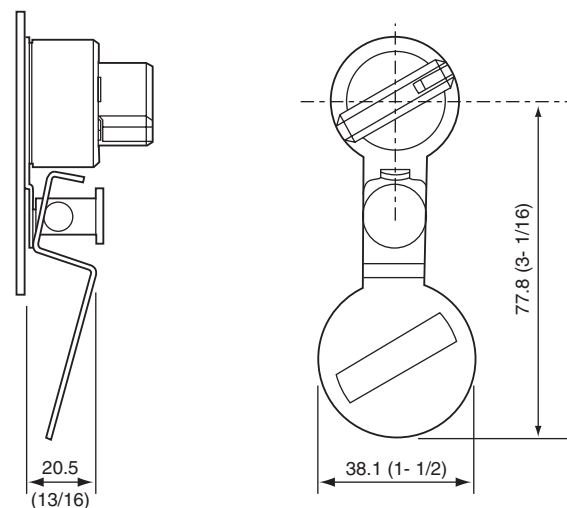
Locking Attachment

for push buttons
for standard knob selector switch operators
for potentiometer drive operators



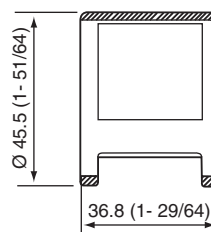
Locking Attachment ①

for 2 or 3 position selector switch operator



Protective Ring

for push-pull mushroom operator $\varnothing$ 40 mm

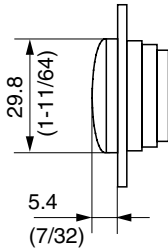


① This locking attachment may interfere with the operation of surrounding control and indicator devices.

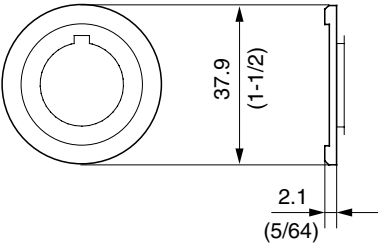
Accessories

Dimensions in mm and (")

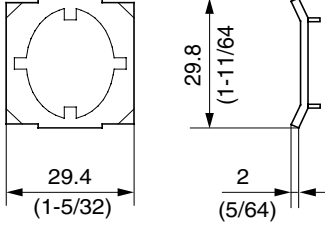
Hole Plug



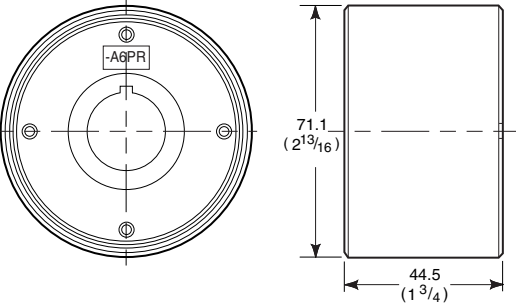
Adapter Ring



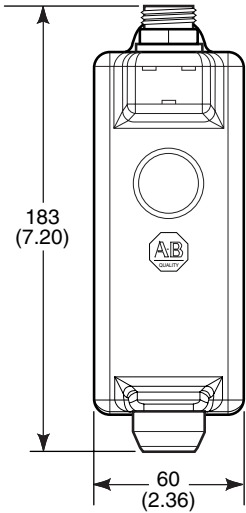
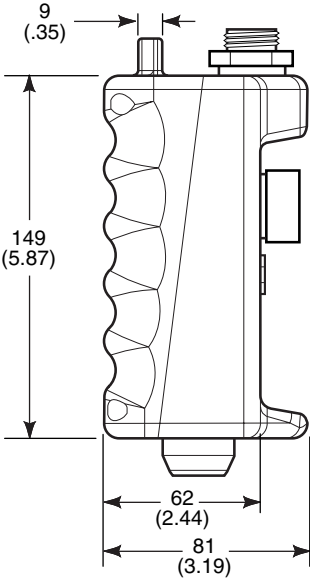
Anti-Rotating Washer



Plastic Protection



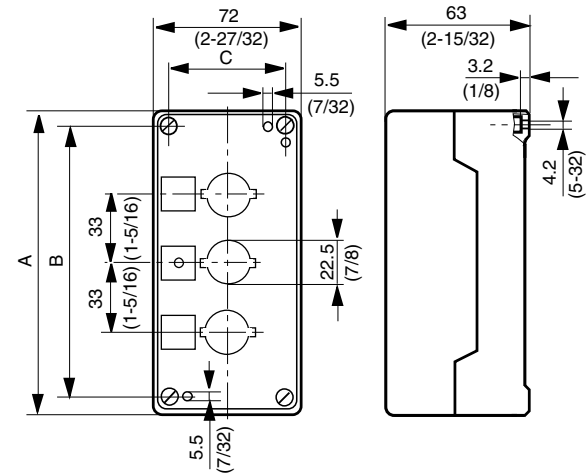
Control Enclosure



Accessories

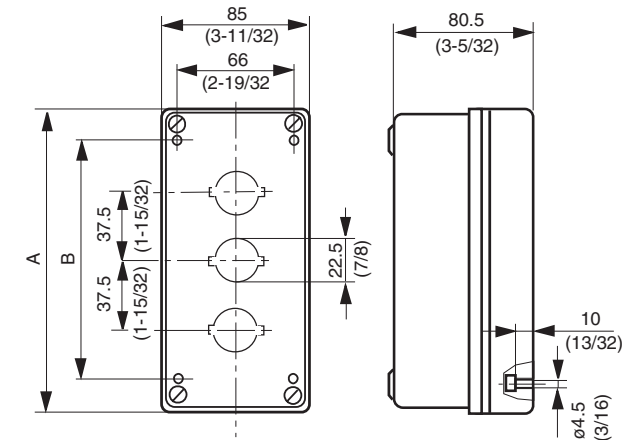
Dimensions in mm and (")

Plastic Enclosure for Base Mounting



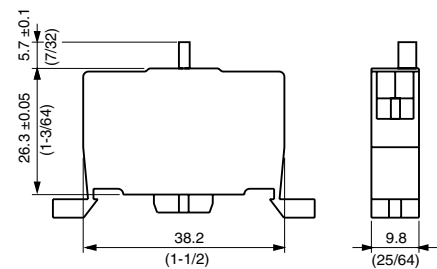
Plastic Enclosure for Base Mounting				
Type	No. of Holes	A	B	C
800E-1P 800E-1PY	1	72 (2 ²⁷ / ₃₂)	59 (2 ⁵ / ₁₆)	41 (1 ⁵ / ₈)
800E-2P	2	105 (4 ¹ / ₈)	92 (3 ⁵ / ₈)	41 (1 ⁵ / ₈)
800E-3P	3	138 (5 ⁷ / ₁₆)	125 (4 ²⁹ / ₃₂)	41 (1 ⁵ / ₈)
800E-5P	5	215 (8 ¹⁵ / ₃₂)	184 (7 ¹ / ₄)	59 (2 ⁵ / ₁₆)

Aluminium Enclosure for Base Mounting



Aluminium Enclosure for Base Mounting			
Type	No. of Holes	A	B
800E-1M 800E-1MY	1	99 (3 ⁹ / ₃₂)	62 (2 ⁷ / ₁₆)
800E-2M	2	137 (5 ¹³ / ₃₂)	100 (3 ¹⁵ / ₁₆)
800E-3M	3	174 (6 ²⁷ / ₃₂)	137 (5 ¹³ / ₃₂)
800E-5M	5	249 (9 ¹³ / ₁₆)	212 (8 ¹¹ / ₃₂)

Contact Block for Mounting Assembly





Bulletin 800Z

Zero-Force™

Touch Buttons

IEC and NEMA Style

General Purpose Range

Heavy Industrial Range

Protection Class

4/4X/13 and 4/13

IP66

Internationally Rated

Ergonomically Designed

Touch Buttons

Table of Contents

Description	Page	Description	Page
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22.5 mm Mounting Hole	11-130	Quick Disconnect Cables	11-133
30.5 mm Mounting Hole	11-130	Accessories for the General Purpose Range	11-134
Heavy Industrial Range - Momentary Touch Buttons		Accessories for the Heavy Industrial Range	11-135
Terminal Connection.	11-132	Specifications	11-138
		Wiring Diagrams	11-136
		Product Operation	11-139
		Dimensions	11-140

General Purpose Range — Momentary Touch Buttons



800Z-GL2Q5



800Z-GF3Q5B

Mounting Hole Size	Input Voltage Range and Output Type	Electrical Connection	No Guard		Black Guard	
			Cat. No.	PQ	Cat. No.	PQ
22.5 mm Mounting Hole	PNP/ NPN Output 10...30 VDC	4 Pin QD (NPN)	800Z-GN2Q4	1	800Z-GN2Q4B	1
		4 Pin QD (PNP)	800Z-GP2Q4		800Z-GP2Q4B	
		1.8 m cabled (NPN)	800Z-GN2064		800Z-GN2064B	
		1.8 m cabled (PNP)	800Z-GP2064		800Z-GP2064B	
	Input voltage: 10...50 VDC + 20...40 VAC Relay output	5 Pin QD	800Z-GL2Q5		800Z-GL2Q5B	
		1.8 m cabled ①	800Z-GL2065		800Z-GL2065B	
		3.6 m cabled ①	800Z-GL2125		800Z-GL2125B	
		7.2 m cabled ①	800Z-GL2245		800Z-GL2245B	
	Input voltage: 90...264 VAC Relay output	5 Pin QD	800Z-GF2Q5		800Z-GF2Q5B	
		1.8 m cabled ①	800Z-GF2065		800Z-GF2065B	
		3.6 m cabled ①	800Z-GF2125		800Z-GF2125B	
		7.2 m cabled ①	800Z-GF2245		800Z-GF2245B	
30.5 mm Mounting Hole	PNP/ NPN Output 10...30 VDC	4 Pin QD (NPN)	800Z-GN3Q4		800Z-GN3Q4B	
		4 Pin QD (PNP)	800Z-GP3Q4		800Z-GP3Q4B	
		1.8 m cabled (NPN)	800Z-GN3064		800Z-GN3064B	
		1.8 m cabled (PNP)	800Z-GP3064		800Z-GP3064B	
	Input voltage: 10...50 VDC + 20...40 VAC Relay output	5 Pin QD	800Z-GL3Q5		800Z-GL3Q5B	
		1.8 m cabled ①	800Z-GL3065		800Z-GL3065B	
		3.6 m cabled ①	800Z-GL3125		800Z-GL3125B	
		7.2 m cabled ①	800Z-GL3245		800Z-GL3245B	
	Input voltage: 90...264 VAC Relay output	5 Pin QD	800Z-GF3Q5		800Z-GF3Q5B	
		1.8 m cabled ①	800Z-GF3065		800Z-GF3065B	
		3.6 m cabled ①	800Z-GF3125		800Z-GF3125B	
		7.2 m cabled ①	800Z-GF3245		800Z-GF3245B	

① This device has a single common wire. If isolated commons are desired, replace the “5” in the Cat. No. with a “6”. See Wiring Diagrams on page 11-136

PQ = Package Quantity

Accessories - Page 11-133
 Specifications - Page 11-138
 Dimensions - Page 11-140

General Purpose Range — Momentary Touch Buttons

800Z – G **L** **3** **065** **B**
a b c d

a

Input Voltage and Output Type	
Code	Description
Relay Output	
L	Input voltage: 10...50 VDC and 20...40 VAC Output: Relay
F	Input voltage: 90...264 VAC Output: Relay
Transistor Output	
N	10...30 VDC Output: NPN
P	10...30 VDC Output: PNP
b	
Mounting Hole Size	
Code	Description
2	22.5 mm
3	30.5 mm

c

Electrical Connection	
Code	Description
Sink/ Source Output	
Q4	4 Pin QD
064	1.8 m cabled
124	3.6 m cabled
244	7.2 m cabled
Relay Output ❶	
Q5	5 Pin QD
065	1.8 m cabled
125	3.6 m cabled
245	7.2 m cabled
Relay Output — Isolated Commons❷	
066	1.8 m cabled
126	3.6 m cabled
246	7.2 m cabled

d

Guard Option	
Code	Description
Blank	No guard
B	Black guard
G	Green guard
R	Red guard
Y	Yellow guard

- ❶ These devices have a 1 N.O. and 1 N.C. mechanically-linked relay output with one common wire. See Wiring Diagrams on page 11-136 for details
❷ These devices have a 1 N.O. and 1 N.C. mechanically-linked relay output with isolated commons. See Wiring Diagrams on page 11-136 for details

Accessories - Page 11-133
Specifications - Page 11-138
Dimensions - Page 11-140

Heavy Industrial Range — Momentary Touch Buttons



800Z-HF1



800Z-HF1M

Mounting Style	Input Voltage Range and Output Type	Electrical Connection	No guard		Yellow Guard	
			Cat. No.	PQ	Cat. No.	PQ
Flush Mount	Input voltage: 10...50 VDC + 20...40 VAC Relay output	Terminal Block	800Z-HL1	1	800Z-HL1M	1
	Input voltage: 90...264 VAC Relay output	Terminal Block	800Z-HF1	1	800Z-HF1M	1

800Z – H **L** **1** **M**
 a *b* *c*

<i>a</i> Voltage	
Code	Description
L	Input voltage: 10...50 VDC + 20...40 VAC Output: Relay
F	Input voltage: 90...264 VAC Output: Relay

<i>b</i> Mounting Type / Connection ❶	
Code	Description
1	Flush mounting / Terminal block

<i>c</i> Guard Option	
Code	Description
Blank	No guard
M	Yellow metal guard

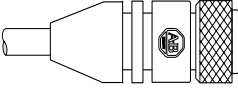
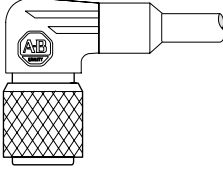
❶ Heavy industrial devices have a 6 position terminal block connection, which includes isolated commons and a 2 N.O. + 2 N.C. mechanically-linked relay output in series. See Wiring Diagrams on page 11-136 for details

PQ = Package Quantity

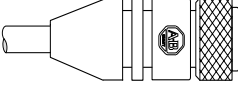
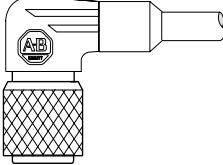
Accessories - Page 11-133
Specifications - Page 11-138
Dimensions - Page 11-140

Quick Disconnect Cables

For 22.5 mm Mounting Hole Version

	Length	4 Pin QD Cable (Micro)		5 Pin QD Cable (Micro)	
		Cat. No.	PQ	Cat. No.	PQ
	2 m	889D-F4AC-2	1	889D-F5AC-2	1
	5 m	889D-F4AC-5		889D-F5AC-5	
	10 m	889D-F4AC-10		889D-F5AC-10	
	2 m	889D-R4AC-2		889D-R5AC-2	
	5 m	889D-R4AC-5		889D-R5AC-5	
	10 m	889D-R4AC-10		889D-R5AC-10	

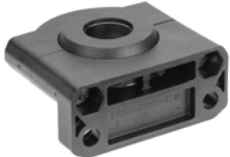
For 30.5 mm Mounting Hole Version

	Length	4 Pin QD Cable (Mini)		5 Pin QD Cable (Mini)	
		Cat. No.	PQ	Cat. No.	PQ
	1.8 m	889N-F4AE-6F	1	889N-F5AE-6F	1
	3.6 m	889N-F4AE-12F		889N-F5AE-12F	
	6 m	889N-F4AE-20F		889N-F5AE-20F	
	1.8 m	889N-R4AE-6F		889N-R5AE-6F	
	3.6 m	889N-R4AE-12F		889N-R5AE-12F	
	6 m	889N-R4AE-20F		889N-R5AE-20F	

PQ = Package Quantity

Accessories for the General Purpose Range

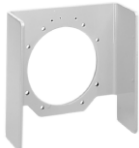
General Accessories

Guards	Description	Colour	Cat. No.	PQ
 <i>Guards</i>	These guards prevent accidental activation of the touch button surface and protect it from damage. To be used for both the 22.5 mm and 30.5 mm mounting.	Yellow	800Z-G3AG1	1
		Black	800Z-G3AG2	
		Green	800Z-G3AG3	
		Red	800Z-G3AG4	
Front Ring	Description	Type	Cat. No.	PQ
Mounting Ring Nut for 22.5 mm Holes  <i>Plastic mounting set</i> Cat. No. 800Z-G2AH1	Used on 22.5 mm devices.	Plastic	800Z-G2AH1	1
Mounting Ring Nut for 30.5 mm Holes  <i>Plastic mounting set</i> Cat. No. 800Z-G3AH1 <i>Metal mounting set</i> Cat. No. 800Z-G3AH2	Used on 30.5 mm devices.	Plastic	800Z-G3AH1	1
		Metal	800Z-G3AH2	
Swivel/Tilt Mounting Assembly	Description	Size	Cat. No.	PQ
30.5 mm Swivel/Tilt Mounting Assembly  <i>Swivel mounting</i> Cat. No. 60-2439	This bracket allows you to orient the Touch Button in any position. It can be mounted on any vertical or horizontal surface. Compatible with 30.5 mm mounting only.	57 mm 2.25" extension	60-2681	1
		29 mm 1.15" extension	60-2439	
Adapter	Description	Type	Cat. No.	PQ
30.5 mm to 22.5 mm Hole Size Adapter 	This adapter allows a 22.5 mm Push Button operator to be installed in a panel with existing 30.5 mm mounting holes.	Shiny metal	800E-AHA1	1
		Black metal	800E-AHA2	

PQ = Package Quantity

Accessories for the Heavy Industrial Range

General Accessories

Replaceable Output Relay	Description	Input Voltage	Cat. No.	PQ
 Replaceable Output Relay Cat. No. 800Z-N10, 800Z-N11	These replaceable output relays are used if the current output relay fails. For use with 800Z-HL devices.	10...50 VDC and 20...40 VAC	800Z-N10	2
	These replaceable output relays are used if the current output relay fails. For use with 800Z-HF devices.	90...264 VAC	800Z-N11	
Guard	Description	Colour	Cat. No.	PQ
 Guard Cat. No. 800Z-HAG1	This guard prevents accidental activation of the touch surface and protects it from damage. Longer mounting screws are included. Note: Guards are required in most two hand safety applications (See applicable standards).	Yellow	800Z-HAG1	1
Bases	Description	Style	Cat. No.	PQ
 Single Hub Base Cat. No. 800P-B1 Double Hub Base Cat. No. 800P-B2	The Heavy Industrial Range products mount directly on these bases. The conduit hub(s) come with a 3/4" opening.	Single hub	800P-B1	1
		Double hub	800P-B2	
Legend Plates	Description	Marking	Cat. No.	PQ
 Legend Plates	These legend plates can be mounted onto the yellow guard. Each legend plate includes two mounting screws.	Blank (gray)	800P-X107	1
		Blank (red)	800P-X129	
		START	800P-X130	
		STOP	800P-X131	
		INCH	800P-X132	
		RUN	800P-X133	
		RUN INCH	800P-X134	
		TOP-STOP	800P-X135	
Mounting Screws	Description	Cat. No.	PQ	
 Cat. No. 800Z-HAH1	These replacement screws are the proper length to mount the Heavy Industrial Zero-Force™ Touch Button with metal guard to a 800P-B1 or 800P-B2 base, or a custom mounting surface.	800Z-HAH1	4	
Adapter	Description	Cat. No.	PQ	
	This adapter is used if mounting Zero-Force™ Touch Button onto a 4-1/2" x 2-3/8" (114.3 x 60.3 mm) enclosure pattern.	800P-N150	1	

PQ = Package Quantity

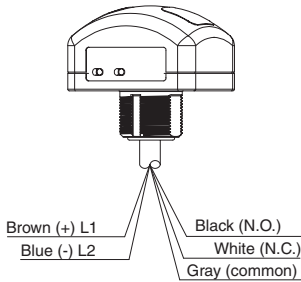
Wiring Diagrams

General Purpose Range

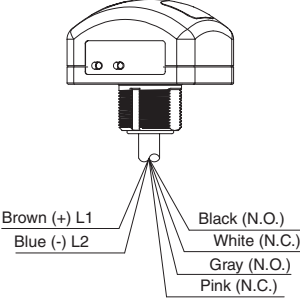
Electrical Connections: Input voltage 10...50 VDC and 20...40 VAC (Relay Output)
Input voltage 90...264 VAC (Relay Output)

Note: Utilizes one mechanically-linked output relay (1 N.O. + 1 N.C.).

5 conductor cabled
(Relay output)
For 800Z-GL___5 models
For 800Z-GF___5 models

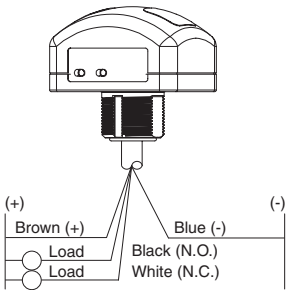


6 conductor cabled
(assembled contacts build relay output)
For 800Z-GL___6 models
For 800Z-GF___6 models

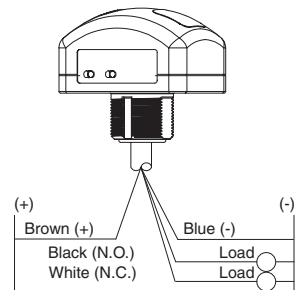


Electrical Connections: Input voltage 10...50 VDC and 20...40 VAC (Relay Output)
Input voltage 90...264 VAC (Relay output)

4 conductor cabled
(Relay output)

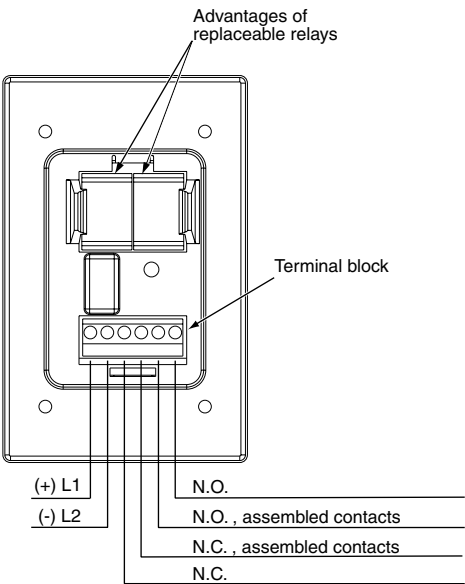


4 conductor cabled
(assembled contacts build relay output)



Heavy Industrial Range

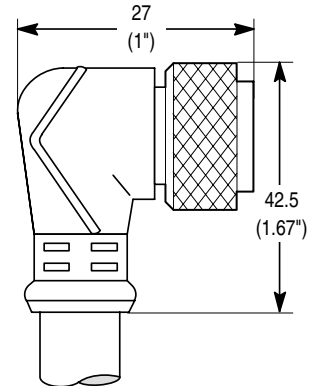
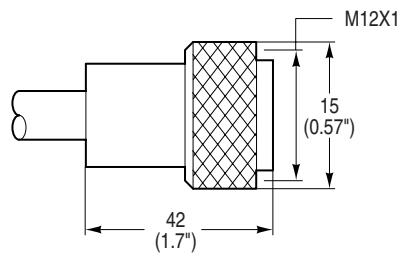
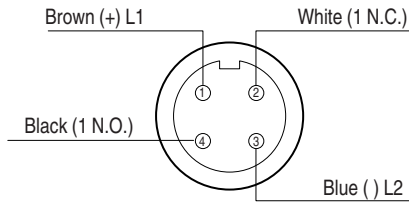
Note: Utilizes two replaceable mechanically-linked output relays (each has a 1 N.O. + 1 N.C. circuit) internally connected in series for a total of 2 N.O. + 2 N.C. contacts.



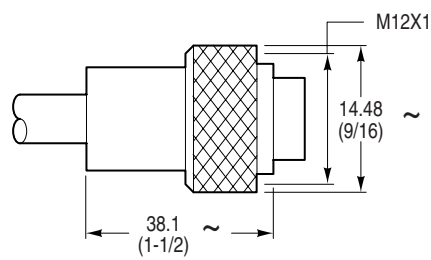
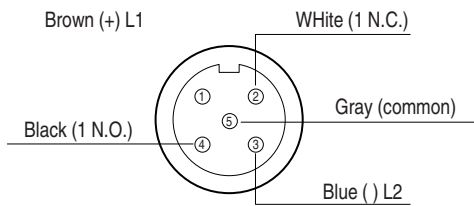
Wiring Diagrams

For 22.5 mm Mounting Hole Version

4 Pin Quick Disconnect Version (Mini)

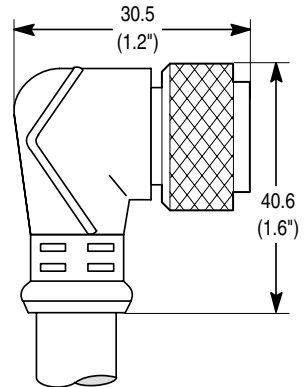
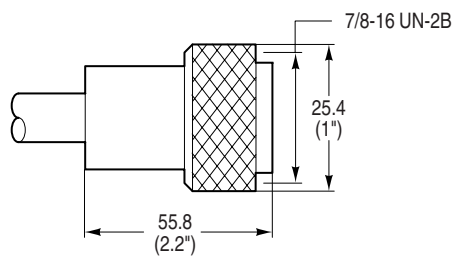
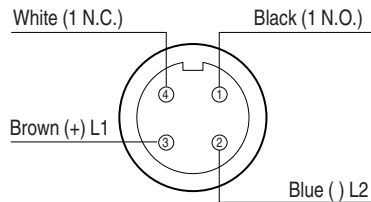


5 Pin Quick Disconnect Version (Mini)

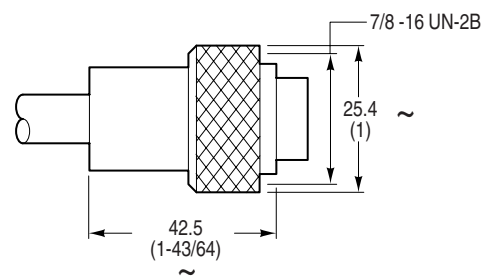
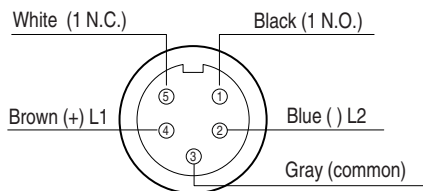


For 30.5 mm Mounting Hole Version

4 Pin Quick Disconnect Version (Mini)



5 Pin Quick Disconnect Version (Mini)



Bulletin 800Z

Zero-Force™ Touch Buttons

Specifications

Specifications

Mechanical Ratings

	General Purpose Range (800Z-G)	Heavy Industrial Range (800Z-H)
Vibration	10 ... 55 Hz; 1.50 mm (0.06 in.)	
Mechanical Shock	100 (mechanical durability)	
Degree of Protection	Type 4/4X/13 IP66 Water splash approx. 830 mbar	Type 4/13 IP66
Mechanical Design Life (Typical)	50.000.000 min.	
Operating Force	zero (slight pressure may be required if thick gloves are used)	

Environmental Ratings

Temperature Range		
Operation	[°C] / (°F)	-5 ... 50 (23 ... 122)
Storage	[°C] / (°F)	-40 ... 85 (-40 ... 185)
Humidity		95 % RH from 25 °C ... 50 °C full operation

Materials

Upper & Lower Housing	Valox 357	
Guard	Valox 325	
Gasket	BUNA-N	1.6 mm 1/16" Cork-BUNA-N

Agency Approvals

Approvals	cULus, CE	
Standards Conformity	UL508, UL50, EN55011, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, EN60947-5-1	

Electrical Ratings

Input voltage: 800Z-GL ... 800Z-HL...	10...50 VDC and 20...40 VAC at 50/60 Hz	
Input voltage: 800Z-GF...800Z-HF...	90...264 VAC at 50/60 Hz	
Electrical Design Life		
Relay output	[operations]	150.000 min. incl. load
Terminal Block	N/O	150.000 min. incl. load IP2X rated terminal block Max. wire size #12-22 AWG (0.5...4 mm ²) Tightening torque: 1 Nm
Current Draw		
at 12 VDC	[mA]	35
at 24 VDC	[mA]	60
at 120 VAC	[mA]	40 eff.
at 240 VAC	[mA]	80 eff.

Output Relay Ratings

	Utilization Category	I _{th}	Volt	24 V	120 V	240 V
General Purpose Range 30.5 mm 22.5 mm All	B300, AC-15	5	Amp	5	3	1.5
	C300, AC-15	2.5	Amp	2.5	1.5	0.75
	Resistive, AC-13	2 A maximum at 24 VDC				
General Purpose Range	B300, AC-15	5	Amp	5	3	1.5
	Resistive, AC-13	2 A maximum at 24 VDC				

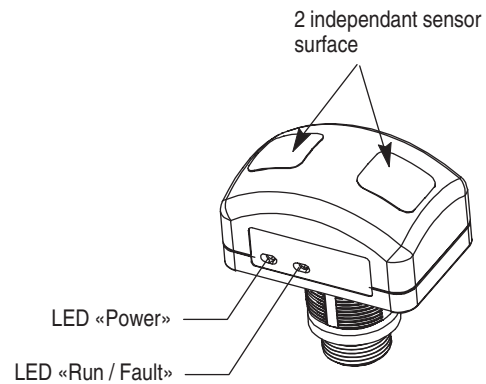
Cable Data

Electrical Ratings

	General Purpose Range 22.5 mm	General Purpose Range 30.5 mm
Cabled Devices Cabled options	5 wire (single common), or 6 wire (isolated common) 105 °C, 300 V multiconductor cable	
Wire termination	Window stripped — individual wires	
5 PIN Cable length [m]	2, 5, 10	1.8, 3.6, 6
QD Wire size [mm ²]	0.5 (No. 22 AWG)	0.75 (No. 18 AWG)
Cables Wire termination	Blunt Cut	

Product Operation

1. When the power LED is lit, the Zero-Force™ touch button is ready for operation.
2. To send an output, simply place palm or fingers onto ergonomically contoured surface, covering both raised sensor pads (see Figure 1).
3. Safety/redundancy has been incorporated by requiring both sensors to be touched within 0.2 seconds of each other, otherwise the device will not send an output.
4. The SPST (SPST - N.O. + SPST N.C.) electromechanical relay stays activated as long as both pads remain touched. The relay provides a one pin circuit breaker (SPST - N.O.) and a one pin circuit breaker (SPST - N.C.).



Diagnostics

Code 2:

If the device is being touched during power up, the Fault LED will flash a code, and the microprocessor will disable the output. The device will resume operation 10 seconds after it is no longer being touched.

Code 3:

If an object, such as a wet rag, touches the device during operation, and remains in contact with the device after the operator removes their hand, the Fault LED will flash a code, and the device will be disabled until the object is removed.

Code 4:

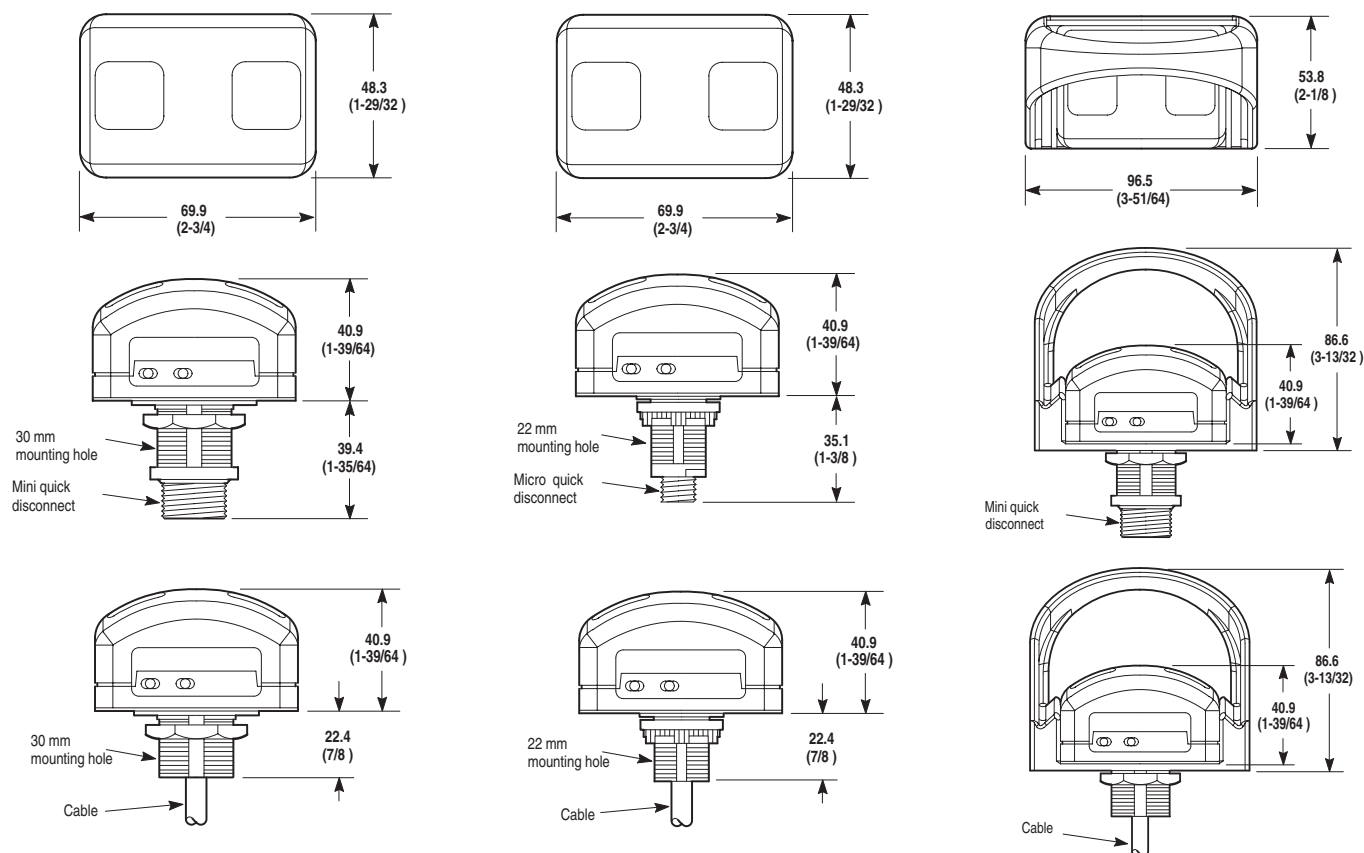
Even if conductive films deposit on the sensor surface over time, a false output will NOT be triggered. The Fault LED will flash a code, and the device will be disabled until the sensor surface is cleaned.

Code Type	Description	Fault LED Flash Sequence
Code 2	Power Interruption Safety	●● ●● ●●
Code 3	Tie Down Protection	●●● ●●● ●●●
Code 4	Margin Detection	●●●● ●●●● ●●●●

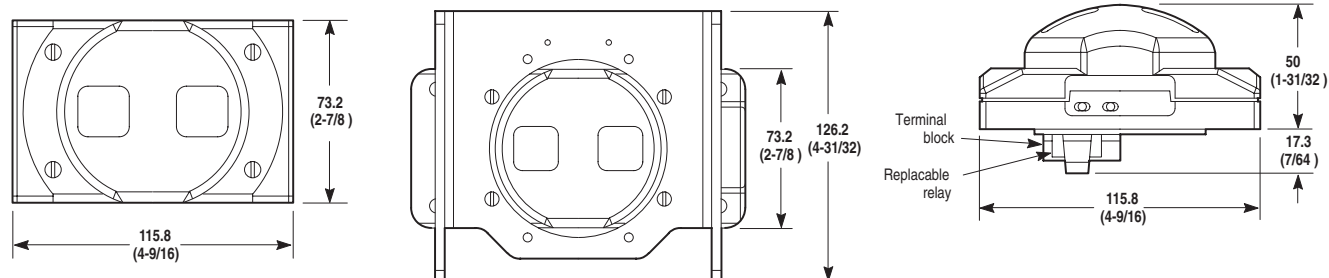
Approximate Dimensions

Dimensions in Millimetres (Inches). Dimensions are not intended to be used for manufacturing purposes.

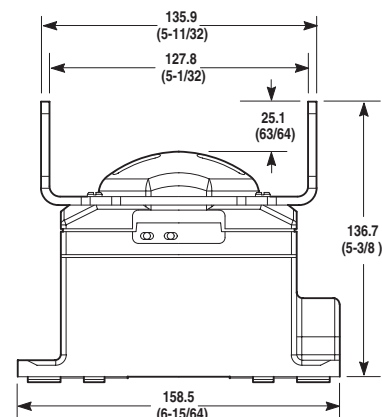
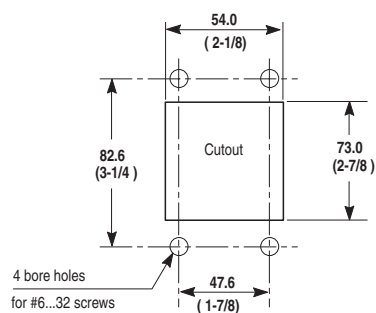
General Purpose Range



Heavy Industrial Range



Cutout and mounting screw locations for a flush mounted cover





Bulletin 855T Control Tower™ Stack Lights

Light & Sound
Signalling Products

Horizontal or Vertical
Mounting

Sound Modules
IP54 / NEMA Type 12

Light Modules
IP65 / NEMA Type 4/4X/13

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Incalculable Advantages: Easy Assembly and Modular Design

Assembly without Tools

- It doesn't get any easier or faster: Simply push the modules together at alignment points - turn - and the modules is locked and securely assembled.



Six Lens Colours to Choose from

- Modules in six colours (green, red, amber, blue, clear, yellow) enable you to differentiate signals.
- Designed with enhanced optics for maximum light output.

Six Different Illumination Options

- Six illumination options expand signalling capabilities: steady incandescent, flashing incandescent, strobe, steady LED, blinking LED and rotating LED.

Easy and Safe Lamp Changes

- Simply turn and detach the modules - the power supply is automatically cut - and the modules can be quickly and safely replaced.

Two Housing Colours

- These units will fit into your application environment with modules and bases available in either black or grey housing.



Wide Variety of Sound

- With Bulletin 855T Control Tower Stack Lights, you have more sound options than ever before.

Tone Speed, Volume Frequency - The Choice is Yours

- DIP switches are used to select among 13 tones on single-tone modules and 15 sets of two-tone combinations on two-tone modules.
- Modules have built-in potentiometers to regulate tone speed, upper and lower frequencies, and volume.

Custom Assembly

- Combine up to 5 light modules any way you like.
- The modular variety and resulting number of possible combinations fulfill almost every need.



Easy and Safe Electrical Connection

- All Control Tower™ modules are available for 12 VAC/VDC, 24 VAC/VDC, 120 VAC, 230 VAC operating voltages.
- Operating voltage is clearly marked on each modules's colour-coded legend plate (blue, red, green, grey). This ensures safe assembly of the modules.
- Electrical connections are easy, and a grounding wire is not necessary, since the bases are made of non-conductive materials.

Multiple Mounting Types

- Four base types are available, all tested in practical applications
- Double-insulated assembly bases are available in 10, 25, 40 or 50 cm lengths, increasing visibility.
- Use the vertical assembly base for wall mounting.
- Assembly bases are not voltage-specific, so they can be used with any of the available voltages.



Bulletin 855T

Control Tower™ Stack Lights

Specifications

Mechanical Data

Shock and Vibration Resistance		Based on the weight and style of mounting; Tower Lights are subject to damage from shock and vibration. Listed below are reference guidelines for maximum acceptable conditions.		
		1 Modules Stack	3 Modules Stack	5 Modules Stack
Surface mount base or 10 cm pole base	[G]	150 Shock	45 Shock	35 Shock
	[G]	5 Vibration	1.5 Vibration	0.75 Vibration
Vertical base or 25 cm pole base 25 cm	[G]	95 Shock	30 Shock	20 Shock
	[G]	3.5 Vibration	1.25 Vibration	0.5 Vibration
Recommended Wire Size	[mm ²]	0.5 ... 2.5 (22 ... 14 AWG)		
Recommended Terminal Torque	[Nm]	0.8 (7 lb-in)		

Environmental Ratings

Protection Class		
Light modules with cap		IP65/NEMA Type 4/4X/13
Light modules with sound		IP54/NEMA Type 12
Sound modules		IP54/NEMA Type 12
All bases		IP65/NEMA Type 4/4X/13
Temperature Ratings - All Products		
Operation	[°C]	-25 ... +70
Storage	[°C]	-40 ... +85

Materials

Bases, caps, modules housing	Polycarbonate (94V-0)
Lenses	Polycarbonate (94V-2)
Lamp socket	Polycarbonate (94V-2)
Rubber seals and gaskets	Nitrile rubber
Pole (for aluminium pole base)	Aluminium
Conduit (for pole insulation)	Polystyrene / Polyphenylene ether blend
Mounting screw washers	Polypropylene

Approvals

UL/cUL file number	E14840
CE	EN 61000, EN 55014, EN 55014, EN 61000-3-2, EN61000-3-3, EN 60335-1, EN 60598-1

Performance Ratings

	12 VAC/DC	24 VAC/DC	120 VAC	230 VAC
Light Output				
Stack light	0.5 cd	2.5 cd	3.0 cd	0.65 cd
Flashing incandescent	0.5 cd	2.5 cd	3.0 cd	0.65 cd
Strobe	3 Joules	3 Joules	3 Joules	3 Joules
LED red (steady, flashing, rotating)	20 mcd per LED 24 LED's	20 mcd per LED 30 LED's	20 mcd per LED 30 LED's	20 mcd per LED 30 LED's
LED green (steady, flashing, rotating)	20 mcd per LED 24 LED's	20 mcd per LED 30 LED's	20 mcd per LED 30 LED's	20 mcd per LED 30 LED's
LED amber (steady, flashing, rotating)	50 mcd per LED 24 LED's	50 mcd per LED 30 LED's	50 mcd per LED 30 LED's	50 mcd per LED 30 LED's
LED red (steady, flashing, BA15 LEDs)	340 mcd			
LED green (steady, flashing, BA15 LEDs)	1000 mcd			
LED amber (steady, flashing, BA15 LEDs)	200 mcd			
LED blue (steady, flashing, BA15 LEDs)	300 mcd			
LED white (steady, flashing, BA15 LEDs)	270 mcd			

Operating Voltage

	12 VAC/DC	24 VAC/DC	120 VAC	230 VAC
Light Only Modules	12 VAC/DC (± 10 %)	24 VAC/DC (± 10 %)	110 VAC 50 Hz (± 10 %) 120 VAC 60 Hz (± 10 %)	230 VAC 50 Hz (± 10 %) 240 VAC 60 Hz (± 10 %)
Light Modules with Sound	12 VAC/DC (± 10 %)	24 VAC/DC (± 10 %)	110 VAC 50 Hz (± 10 %) 120 VAC 60 Hz (± 10 %)	230 VAC 50 Hz (± 10 %) 240 VAC 60 Hz (± 10 %)
Sound Modules	12 VAC/DC (± 10 %)	24 VAC/DC (± 10 %)	110 VAC 50 Hz (± 10 %) 120 VAC 60 Hz (± 10 %)	230 VAC 50 Hz (± 10 %) 240 VAC 60 Hz (± 10 %)

Lamp Life Ratings (Design Life)

Average Life under Static, No Vibration Conditions

	12 VAC/DC	24 VAC/DC	120 VAC	230 VAC
Incandescent Modules ② [h]	8 000	7 000	8 200	8 000
LED Modules [h]	100 000	100 000	100 000	100 000
Strobe Modules [h]	1 400	1 400	1 400	1 400
Sound Modules [h]	20 000	20 000	20 000	20 000

② First failures at about 35 % of average life. Failures under severe vibration at 44 % of average life.

Current Consumption

Light Only Modules		12 VAC/DC	24 VAC/DC	120 VAC	230 VAC
Stack light	[mA]	208	271	58	23
Flashing incandescent	[mA]	208	271	58	23
Stack light / Flashing incandescent LED (red, amber)	[mA]	90	52	12.5	10
Stack light / Flashing incandescent LED (green, blue, white)	[mA]	55	25	12.5	10
LED rotating	[mA]	80	80	80	80
Strobe	[mA]	240	170	50	35
Light Module with Sound					
Steady incandescent with sound	[mA]	218	281	78	43
Flashing incandescent with sound	[mA]	218	281	78	43
Stack light / Flashing incandescent LED with sound (red, amber)	[mA]	100	62	22.5	20
Stack light / Flashing incandescent LED with sound (green, blue, white)	[mA]	65	35	22.5	20
LED rotating with sound	[mA]	90	90	100	100
Strobe with sound	[mA]	250	180	70	55
Sound Modules					
Single tone sound module		30 mA	65 mA	110 V/50 Hz 120 V/60 Hz 60 mA	230 V/50 Hz 240 V/60 Hz 60 mA
Dual tone sound module					

Flashing Frequency (Light Only Modules)

Flashing Incandescent Modules	12 V modules approx. 1.5 Hz 24 V, 120 V and 230 V modules approx. 2 Hz Time ON / Time OFF = 1:1
Flashing LED Modules	Flashing Frequency approx. 1.5 Hz Time ON / Time OFF = 1:1
Rotating LED Modules	Cycle frequency approx. 1.5 Hz
Strobe Modules	Flashing frequency approx. 2 Hz (flash duration 1/50 000 s)

Flashing and Tone Frequency (Light Modules with Sound Set at Continuous Tone)

Tone Frequency	Tone frequency is pre-set at 2 400 Hz
Flashing Incandescent with Light	12 V modul approx. 1.5 Hz 24 V, 120 V and 230 V modules approx. 1.6 Hz
Flashing LED with Sound	Flashing frequency approx. 1.5 Hz
Rotating LED with Sound	Cycle frequency approx. 1.5 Hz
Strobe with Sound	Flashing frequency approx. 1.4 Hz

Flashing and Tone Pulsing Frequencies (Light Modules with Sound Set at Pulsing Tone)

Tone Frequency	Tone frequency is pre-set at 2 400 Hz
Steady Incandescent with Sound	Sound pulsing frequency - 1.5 Hz
Flashing Incandescent with Sound	Flashing and pulsing frequency the same at 12 V modul approx. 1.5 Hz 24 V, 120 V and 230 V modules approx. 1.6 Hz
LED steady with Sound	Sound pulsing frequency - 1.5 Hz
LED Flashing with Sound	Flashing and pulsing frequency the same at 1.5 Hz
LED Rotating with Sound	Rotating cycle and pulsing frequency the same at 1.5 Hz
Strobe with Sound	Flashing and pulsing frequency the same at 1.4 Hz

Sound Frequencies (Sound Only Modules)

Single Tone Sound Module	Speed and tone frequencies are dependent on tone setting and are adjustable by potentiometer
Dual Tone Sound Module	Speed and tone frequencies are dependent on tone setting and are adjustable by potentiometer

DB Ratings (Sound Modules)

All dB (A) ratings determined at a distance of 1 metre from sound module

Single Tone Sound Module	Maximum volume ranges from 93 - 103 dB (A) (volume adjustable) Based on tone selected for all settings except single horn which has a max. of 80 dB (A).
Dual Tone Sound Module	Maximum volume ranges from 93 - 103 dB (A) (volume adjustable) Based on tone selected for all settings except single horn which has a max. of 80 dB (A).
Light Modules with Sound (set at continuous tone)	92 dB (A)
Light Modules with Sound (set at pulsing tone)	92 dB (A)

Leakage Current Impact

Some light and light modules with sound may not turn off completely when connected to solid state outputs which emit leakage current.

The table below identifies modules that were affected by an output module emitting a maximum of 3 mA.

Shunting resistors can be used to eliminate the effect of leakage current.

12 VAC/DC	Flashing incandescent with sound
24 VAC/DC	Flashing incandescent with sound
120 VAC	Flashing incandescent with sound Strobe with sound Steady LED with sound Flashing LED with sound Rotating LED with sound
230 VAC	Flashing incandescent Steady incandescent with sound Flashing incandescent with sound Strobe with sound

Weights

Light Modules

Stack light	[g]	95
Flashing incandescent	[g]	95
LED steady	[g]	95
Strobe	[g]	105

Light Modules with Sound

Stack light	[g]	120
Flashing incandescent	[g]	120
LED steady	[g]	120
Strobe	[g]	135

Sound Modules

Single tone modules	[g]	135
Dual tone modules	[g]	135

Assembly Bases

Surface mount bases	with cap	[g]	30
Surface mount bases	without cap	[g]	20
Vertical mount bases	with cap	[g]	90
Vertical mount bases	without cap	[g]	80
10 cm pole mount base	with cap	[g]	120
10 cm pole mount base	without cap	[g]	110
25 cm pole mount base	with cap	[g]	165
25 cm pole mount base	without cap	[g]	155
40 cm pole mount base	with cap	[g]	210
40 cm pole mount base	without cap	[g]	200
50 cm pole mount base	with cap	[g]	240
50 cm pole mount base	without cap	[g]	230

Light Modules IP65, NEMA Type 4/4X/13



Red flashing incandescent (black housing)
 855T-B20FN4



Green steady incandescent (grey housing)
 855T-G24DN3

Housing Colour	Voltage	Colour	Illumination Type	Cat. No.	PQ
Black	Module without lamp 0...230 V	Green	Steady incandescent	855T-B00XN3	1
		Red	Steady incandescent	855T-B00XN4	
	230 VAC	Green	Steady incandescent	855T-B20DN3	
			Flashing incandescent	855T-B20FN3	
			Strobe	855T-B20TL3	
		Red	Steady incandescent	855T-B20DN4	
			Flashing incandescent	855T-B20FN4	
			Strobe	855T-B20BR4	
		Amber	Steady incandescent	855T-B20DN5	
			Flashing incandescent	855T-B20FN5	
			Steady LED	855T-B20TL5	
	24 VAC/DC	Green	Steady incandescent	855T-B24DN3	
			Flashing incandescent	855T-B24FN3	
			Steady LED	855T-B24TL3	
		Red	Steady incandescent	855T-B24DN4	
			Flashing incandescent	855T-B24FN4	
			Strobe	855T-B24BR4	
		Amber	Steady incandescent	855T-B24DN5	
			Flashing incandescent	855T-B24FN5	
			Steady LED	855T-B24TL5	
Grey	Module without lamp 0...230 V	Green	Steady incandescent	855T-G00XN3	1
		Red	Steady incandescent	855T-G00XN4	
	230 VAC	Green	Steady incandescent	855T-G20DN3	
			Flashing incandescent	855T-G20FN3	
			Steady LED	855T-G20TL3	
		Red	Steady incandescent	855T-G20DN4	
			Flashing incandescent	855T-G20FN4	
			Strobe	855T-G20BR4	
		Amber	Steady incandescent	855T-G20DN5	
			Flashing incandescent	855T-G20FN5	
			Steady LED	855T-G20TL5	
	24 VAC/DC	Green	Steady incandescent	855T-G24DN3	
			Flashing incandescent	855T-G24FN3	
			Steady LED	855T-G24TL3	
		Red	Steady incandescent	855T-G24DN4	
			Flashing incandescent	855T-G24FN4	
			Strobe	855T-G24BR4	
		Amber	Steady incandescent	855T-G24DN5	
			Flashing incandescent	855T-G24FN5	
			Steady LED	855T-G24TL5	

PQ = Package Quantity

Accessories - Page 11-160
 Specifications - Page 11-144
 Dimensions - Page 11-162

Light Modules IP65, NEMA Type 4/4X/13

855T-

B

20

BR

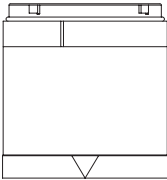
4

a

b

c

d



a

Housing Colour		
Code	Description	
B	Black	
G	Grey ❸	

b

Voltage		
Code	Description	
12	12 VAC/DC ❸	
24	24 VAC/DC	
10	120 VAC ❸	
20	230 VAC	

c

Illumination Type		
Code	Description	
DN	Steady incandescent	
FN	Flashing incandescent	
TL	Steady LED ❶	
GL	Flashing LED ❶	
RL	Rotating LED ❷	
BR	Strobe	

d

Lens Colours		
Code	Description	
3	Green	
4	Red	
5	Amber	
6	Blue	
7	Clear	
8	Yellow	

- ❶ LED module types are available only with cap colours red, green, amber, blue and clear
- ❷ LED module types are available only with cap colours red, green and amber
- ❸ No inventory (longer delivery time)

Bulletin 855T
Control Tower™ Stack Lights
Product Selection

Light Modules with Sound IP54, NEMA Type 12

Description

All modules contain a selected light option with a sound device that can be switched to „Pulsing“ or „Continuous“ with a DIP switch located inside the module.



*Red strobe/sound combination Module
(black housing)
855T-B20BC4*



*Amber flashing incandescent/ sound combination module
(grey housing)
855T-G24FC5*

Housing Colour	Voltage	Colour	Illumination Type	Cat. No.	PQ
Black	230 VAC	Green	Steady incandescent	855T-B20DC3	1
			Flashing incandescent	855T-B20FC3	
			Steady LED	855T-B20TC3	
		Red	Steady incandescent	855T-B20DC4	
			Flashing incandescent	855T-B20FC4	
			Strobe	855T-B20BC4	
		Amber	Steady incandescent	855T-B20DC5	
			Flashing incandescent	855T-B20FC5	
			Steady LED	855T-B20TC5	
	24 VAC/DC	Green	Steady incandescent	855T-B24DC3	1
			Flashing incandescent	855T-B24FC3	
			Steady LED	855T-B24TC3	
		Red	Steady incandescent	855T-B24DC4	
			Flashing incandescent	855T-B24FC4	
			Strobe	855T-B24BC4	
		Amber	Steady incandescent	855T-B24DC5	
			Flashing incandescent	855T-B24FC5	
			Steady LED	855T-B24TC5	
Grey	230 VAC	Green	Steady incandescent	855T-G20DC3	1
			Flashing incandescent	855T-G20FC3	
			Steady LED	855T-G20TC3	
		Red	Steady incandescent	855T-G20DC4	
			Flashing incandescent	855T-G20FC4	
			Strobe	855T-G20BC4	
		Amber	Steady incandescent	855T-G20DC5	
			Flashing incandescent	855T-G20FC5	
			Steady LED	855T-G20TC5	
	24 VAC/DC	Green	Steady incandescent	855T-G24DC3	1
			Flashing incandescent	855T-G24FC3	
			Steady LED	855T-G24TC3	
		Red	Steady incandescent	855T-G24DC4	
			Flashing incandescent	855T-G24FC4	
			Strobe	855T-G24BC4	
		Amber	Steady incandescent	855T-G24DC5	
			Flashing incandescent	855T-G24FC5	
			Steady LED	855T-G24TC5	

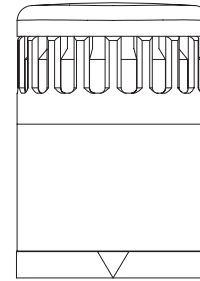
PQ = Package Quantity

Accessories - Page 11-160
Specifications - Page 11-144
Dimensions - Page 11-162

Light Modules with Sound IP54, NEMA Type 12

Description

All modules contain a selected light option with a sound device that can be switched to „Pulsing“ or „Continuous“ with a DIP switch located inside the module.



855T- B 20 DC 3
a
b
c
d

a

Housing Colour		
Code	Description	
B	Black	
G	Grey ③	

b

Voltage		
Code	Description	
12	12 VAC/DC ③	
24	24 VAC/DC	
10	120 VAC ③	
20	230 VAC	

c

Illumination Type		
Code	Description	
DC	Steady incandescent with sound	
FC	Flashing incandescent with sound	
TC	Steady LED with sound ❶	
GC	flashing LED with sound ❷	
RC	Rotating LED with sound ❶	
BC	Strobe with sound	

d

Lens Colours		
Code	Description	
3	Green	
4	Red	
5	Amber	
6	Blue	
7	Clear	
8	Yellow	

Light Modules with Sound, separate Control for Light and Sound IP54, NEMA Type 12

855T- B 20 DD 3
a
b
c
d

a

Housing Colour		
Code	Description	
B	Black	
G	Grey ③	

b

Voltage		
Code	Description	
12	12 VAC/DC ③	
24	24 VAC/DC	
10	120 VAC ③	
20	230 VAC	

c

Illumination Type		
Code	Description	
DD	Steady incandescent with sound for 2 control circuits	

d

Lens Colours		
Code	Description	
3	Green	
4	Red	
5	Amber	
6	Blue	
7	Clear	
8	Yellow	

- ❶ LED module types are only available with lens colours selections red, green, amber, blue and amber
- ❷ LED module types are only available with lens colours selections red, green and amber
- ③ No inventory (longer delivery time)

Single Tone / Mono Circuit Sound Modules IP54, NEMA Type 12



Single tone/mono circuit sound module
(black housing)
855T-B24SA1



Single tone/mono circuit sound module
(grey housing)
855T-G20SA1

Housing Colour	Voltage	Modules	Tone Types	Cat. No.	PQ
Black	230 VAC	Single tone sound module	Preset as triangle tone	855T-B20SA1	1
	24 VAC/DC	Single tone sound module	Preset as triangle tone	855T-B24SA1	1
Grey	230 VAC	Single tone sound module	Preset as triangle tone	855T-G20SA1	1
	24 VAC/DC	Single tone sound module	Preset as triangle tone	855T-G24SA1	1

Note: This module can be modified through a DIP switch setting to produce any 1 of 13 different tones.
See pages 11-158 and 11-159 for tone, volume and speed adjustment information.

Dual Tone / Two Circuit Sound Modules IP54, NEMA Type 12



Dual tone/two circuit sound modules (black housing)
855T-B20TA1



Dual tone/two circuit sound modules (grey housing)
855T-G24TA1

Housing Colour	Voltage	Modules	Tone Types	Cat. No.	PQ
Black	230 VAC	Dual tone sound module	Preset tone as triangle tone / continuous tone	855T-B20TA1	1
	24 VAC/DC	Dual tone sound module	Preset tone as triangle tone / continuous tone	855T-B24TA1	1
Grey	230 VAC	Dual tone sound module	Preset tone as triangle tone / continuous tone	855T-G20TA1	1
	24 VAC/DC	Dual tone sound module	Preset tone as triangle tone / continuous tone	855T-G24TA1	1

Note: This module can be modified through a DIP switch setting to produce any 1 of 15 different tones.
See pages 11-158 and 11-159 for tone, volume and speed adjustment information.

PQ = Package Quantity

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Dimensions - Page 11-162

Single Tone / Mono Circuit Sound Modules IP54, NEMA Type 12

855T-

B

20

SA

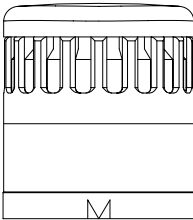
1

a

b

c

d



a

Housing Colour		
Code	Description	
B	Black	
G	Grey ③	

c

Illumination Type		
Code	Description	
SA	Single tone/mono circuit sound module ❶ with 13 different tones	

d

Tone Types		
Code	Description	
1	Preset to produce triangle tone	

b

Voltage		
Code	Description	
12	12 VAC/DC ③	
24	24 VAC/DC	
10	120 VAC ③	
20	230 VAC	

Dual Tone / Two Circuit Sound Modules IP54, NEMA Type 12

855T-

G

24

TA

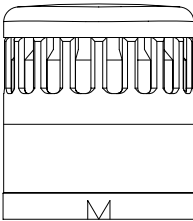
1

a

b

c

d



a

Housing Colour		
Code	Description	
B	Black	
G	Grey ③	

c

Illumination Type		
Code	Description	
TA	Dual tone / two circuit sound module ❷ 15 sets of dual tone combinations	

d

Tone Types		
Code	Description	
1	Preset to produce the combination of triangle tone / continuous tone	

b

Voltage		
Code	Description	
12	12 VAC/DC ③	
24	24 VAC/DC	
10	120 VAC ③	
20	230 VAC	

- ❶ This module uses 1 control circuit in a stack. It is inserted as top most module of the stack with up to 4 light modules
- ❷ This module uses 2 control circuits in a stack. It is inserted as top most module of the stack with up to 3light modules
- ③ No inventory (longer delivery time)

Standard Stack Light Bases IP65, NEMA Type 4/4X/13



Surface mount bases with cap
855T-BSBC



10 cm pole mount bases
855T-BPM10



25, 40, 50 cm pole mount bases
855T-GPM25, 855T-GPM40, 855T-GPM50



Vertical mount bases with cap
855T-GVMC

Housing Colour	Base Types	Cap Option	Cat. No.	PQ
Black	Surface mount bases	with cap	855T-BSBC	1
		without cap	855T-BSB	
	Vertical mount bases	with cap	855T-BVMC	1
		without cap	855T-BVM	
	10 cm pole mount bases	with cap	855T-BPM10C	1
		without cap	855T-BPM10	
	25 cm pole mount bases	with cap	855T-BPM25C	1
		without cap	855T-BPM25	
	40 cm pole mount bases	with cap	855T-BPM40C	1
		without cap	855T-BPM40	
	50 cm pole mount bases	with cap	855T-BPM50C	1
		without cap	855T-BPM50	
Grey ①	Surface mount bases	with cap	855T-GSBC	1
		without cap	855T-GSB	
	Vertical mount bases	with cap	855T-GVMC	1
		without cap	855T-GVM	
	10 cm pole mount bases	with cap	855T-GPM10C	1
		without cap	855T-GPM10	
	25 cm pole mount bases	with cap	855T-GPM25C	1
		without cap	855T-GPM25	
	40 cm pole mount bases	with cap	855T-GPM40C	1
		without cap	855T-GPM40	
	50 cm pole mount bases	with cap	855T-GPM50C	1
		without cap	855T-GPM50	

① No inventory (longer delivery time)

PQ = Package Quantity

Accessories - Page 11-160

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Standard Stack Light Bases IP65, NEMA Type 4/4X/13

855T-

B

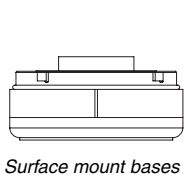
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SB

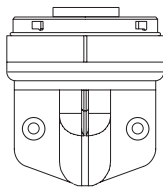
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C

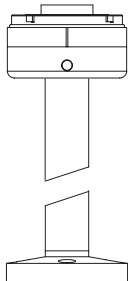
c



Surface mount bases



Vertical mount bases



10, 25, 40, 50 cm pole mount bases

a

Housing Colour		
Code	Description	
B	Black	
G	Grey ❶	

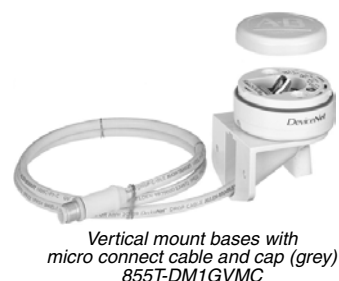
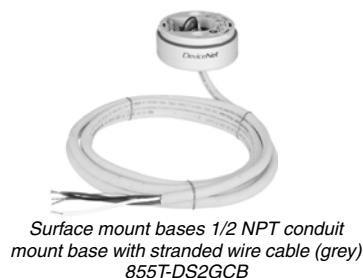
b

Base Types		
Code	Description	
SB	Surface mount bases	
VM	Vertical mount bases	
PM10	10 cm pole mount bases	
PM25	25 cm pole mount bases	
PM40	40 cm pole mount bases	
PM50	50 cm pole mount bases	

c

Cap Option		
Code	Description	
Blank	without cap	
C	with cap	

❶ No inventory (longer delivery time)

DeviceNet Standard Stack Light Bases IP65, NEMA Type 4/4X/13

Cable Type	Housing Colour	Base Types	Cap Option	Cat. No.	PQ
Micro connect (approx. 1 metre cable length)	Black	Surface mount bases — 1/2 NPT conduit mount	with cap	855T-DM1BCBC	1
		Surface mount bases — PG16 conduit mount		855T-DM1BSBC	
		Vertical mount bases		855T-DM1BVMC	
		10 cm pole mount bases		855T-DM1BPM10C	
		25 cm pole mount bases		855T-DM1BPM25C	
		25 mm diameter tube mount		855T-DM1BTMC	
	Grey	Surface mount bases — 1/2 NPT conduit mount		855T-DM1GCBC	
		Surface mount bases — PG16 conduit mount		855T-DM1GSBC	
		Vertical mount bases		855T-DM1GVMC	
		10 cm pole mount bases		855T-DM1GPM10C	
		25 cm pole mount bases		855T-DM1GPM25C	
		25 mm diameter tube mount		855T-DM1GTMC	
Cable with bared ends (approx. 2 metre cable length)	Black	Surface mount bases — 1/2 NPT conduit mount	with cap	855T-DS2BCBC	1
		Surface mount bases — PG16 conduit mount		855T-DS2BSBC	
		Vertical mount bases		855T-DS2BVMC	
		10 cm pole mount bases		855T-DS2BPM10C	
		25 cm pole mount bases		855T-DS2BPM25C	
		25 mm diameter tube mount		855T-DS2BTMC	
	Grey	Surface mount bases — 1/2 NPT conduit mount		855T-DS2GCBC	
		Surface mount bases — PG16 conduit mount		855T-DS2GSBC	
		Vertical mount bases		855T-DS2GVMC	
		10 cm pole mount bases		855T-DS2GPM10C	
		25 cm pole mount bases		855T-DS2GPM25C	
		25 mm diameter tube mount		855T-DS2GTMC	
Micro connect (approx. 1 metre cable length)	Black	Surface mount bases — 1/2 NPT conduit mount	without cap	855T-DM1BCB	1
		Surface mount bases — PG16 conduit mount		855T-DM1BSB	
		Vertical mount bases		855T-DM1BVM	
		10 cm pole mount bases		855T-DM1BPM10	
		25 cm pole mount bases		855T-DM1BPM25	
		25 mm diameter tube mount		855T-DM1BTM	
Cable with bared ends (approx. 2 metre cable length)	Grey	Surface mount bases — 1/2 NPT conduit mount		855T-DS2GCB	
		Surface mount bases — PG16 conduit mount		855T-DS2GSB	
		Vertical mount bases		855T-DS2GVM	
		10 cm pole mount bases		855T-DS2GPM10	
		25 cm pole mount bases		855T-DS2GPM25	
		25 mm diameter tube mount		855T-DS2GTM	

PQ = Package Quantity

Accessories - Page 11-160
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DeviceNet Standard Stack Light Bases IP65, NEMA Type 4/4X/13

855T-

DM1

B

CB

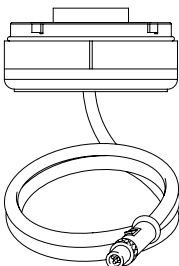
C

a

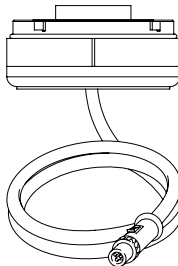
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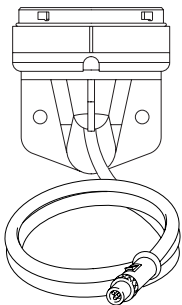
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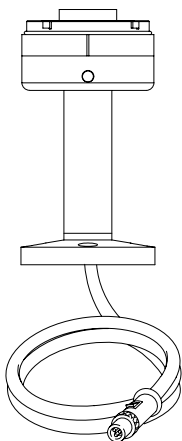
Surface mount bases —
1/2 NPT conduit mount



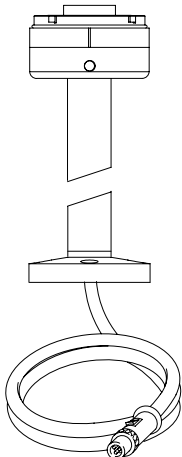
Surface mount bases —
PG16 conduit mount



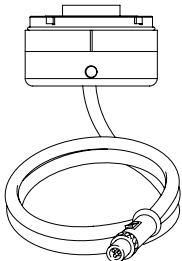
Vertical mount bases



10 cm pole mount bases



25 cm pole mount bases



25 mm diameter
tube mount

a

Cable Type		
Code	Description	
DM1	Option: Micro connect approx. 1 m cable length	
DS2	Option: Cable with bared ends approx. 2 m cable length	

b

Housing Colour		
Code	Description	
B	Black	
G	Grey ❶	

b

Base Types		
Code	Description	
CB	Surface mount bases - 1/2 NPT conduit mount	
SB	Surface mount bases - PG16 conduit mount	
VM	Vertical mount bases	
PM10	10 cm pole mount bases	
PM25	25 cm pole mount bases	
TM	25 mm diameter tube mount	

c

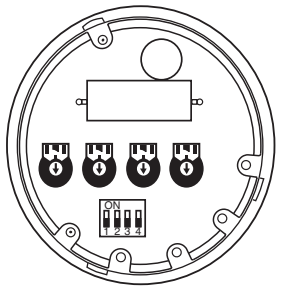
Cap Option		
Code	Description	
Blank	without cap	
C	with cap	

❶ No inventory (longer delivery time)

Control Tower™ Stack Lights

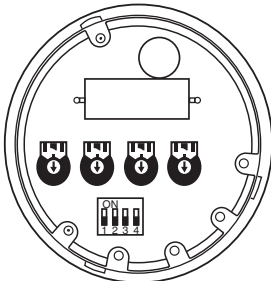
Tone Table

Tone Table, Single Tone / Mono Circuit Sound Modules

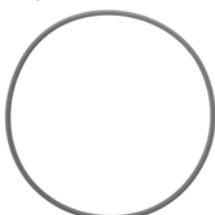
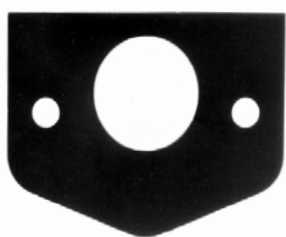
	DIP Switch Position	Tone Description		Speed	Upper Frequency [Hz]	Lower Frequency [Hz]	Volume [dB (A)]
 Speed Upper freq. Lower freq. Volume Adjustable sound setting		Triangle tone		7 ... 22 Hz	1 500	500	80 ... 100
		Continuous tone		-	①	500	83 ... 100
		Interrupted tone		0.5 ... 1.5 Hz	①	500 ... 1 500	83 ... 103
		Changing tone		0.5 ... 1.5 Hz	500 ... 1 500	500 ... 1 500	83 ... 103
		Saw tooth tone ascending		0.5 ... 1.5 Hz	500 ... 1 500	500 ... 1 500	83 ... 103
		Saw tooth tone descending		0.5 ... 1.5 Hz	500 ... 1 500	500 ... 1 500	83 ... 103
		Sine wave tone		0.5 ... 1.5 Hz	500 ... 1 500	500 ... 1 500	82 ... 102
		DIN-Emergency signal	DIN 33404	1 Hz	1 200	500	82 ... 102
		Siren (non-repeating)		2 ... 4 s	1 500	500	83 ... 103
		Signal horn Continuous tone		-	①	100 ... 350	64 ... 80
		Three tone gong		2 ... 4 s	660 550 440		76 ... 95
		Two tone gong		2 ... 3 s	550 440		75 ... 93
		Gong		1 ... 3 s	①	500 ... 1 500	75 ... 93

① Set to maximum (+)

Tone Table, Dual Tone / Two Circuit Sound Modules

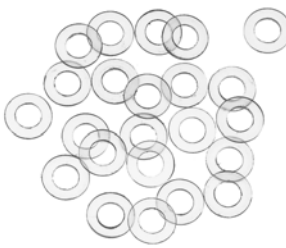
	DIP Switch Position	Tone A		Tone B	
  Geschwin- digkeit  Upper Freq.  Lower Freq.  Volume Ajustable sound settings		Triangle tone		Continuous tone	
		Continuous tone		Changing tone	
		Continuous tone		Interrupted tone	
		Interrupted tone		Three tone gong	
		Interrupted tone		Siren (non-repeating)	
		Changing tone		DIN-Emergency signal	DIN 33404
		Saw tooth tone ascending		Continuous tone	
		Saw tooth tone descending		Interrupted tone	
		Sine wave tone		DIN-Emergency signal	DIN 33404
		DIN-Emergency signal	DIN 33404	Three tone gong	
		Siren (non-repeating)		Triangle tone	
		Signal horn (Continuous tone)		Continuous tone	
		Three tone gong		Sine wave tone	
		Two tone gong		Two tone gong (non-repeating)	
		Gong		Continuous tone	

Accessories

	Description	Cat. No.	PQ
Incandescent Lamp  <i>(BA15d bayonet 19 mm socket height)</i>	12 VAC/DC incandescent lamp, max. 7 W	855T-L12	1
	24 VAC/DC incandescent lamp, max. 7 W	855T-L24	1
	120 VAC incandescent lamp, max. 7 W	855T-L10	1
	230 VAC incandescent lamp, max. 7 W	855T-L20	1
Lens O-Ring Seal 	Replacement Rubber O-rings are to be installed on the top of all bases and light only modules. O-ring can not be used to interface with sound only modules • Silicone free	855T-ALSG	5
Surface Mount Gasket 	Replacement flat gasket is to be placed between the mounting surface and the surface mount base.	855T-ASFG	5
Pole Foot Gasket 	Replacement flat gasket is to be placed between the mounting surface and the pole base bottom foot.	855T-APFG	5
Vertical Mount Gasket 	Replacement flat gasket is to be placed between the mounting surface and the vertical mount base.	855T-AVFG	5

PQ = Package Quantity

Accessories

	Description	Colour	Cat. No.	PQ
Mounting Screw Washer Kit 	Replacement flat washer are used to provide a seal where the mounting screw meets the pole and vertical bases. (Not required for surface mount bases)	-	855T-AMSG	20
Cap (Top of Stack) 	The cap is installed to the top of the uppermost light module. No cap is needed if the top module is a sound module, or a light with sound module.	Black	855T-ABCAP	1
		Grey ❶	855T-AGCAP	1
BA15 LEDs for Lamp Modules 	12 VAC/DC ❶	Red	855T-LL12R	1
		Green	855T-LL12G	
		Amber	855T-LL12A	
		Blue	855T-LL12B	
		white ❷	855T-LL12W	
	24 VAC/DC	Red	855T-LL24R	1
		Green	855T-LL24G	
		Amber	855T-LL24A	
		Blue	855T-LL24B	
		white ❷	855T-LL24W	
	120 VAC ❶	Red	855T-LL10R	1
		Green	855T-LL10G	
		Amber	855T-LL10A	
		Blue	855T-LL10B	
		white ❷	855T-LL10W	
	230 VAC	Red	855T-LL20R	1
		Green	855T-LL20G	
		Amber	855T-LL20A	
		Blue	855T-LL20B	
		white ❷	855T-LL20W	

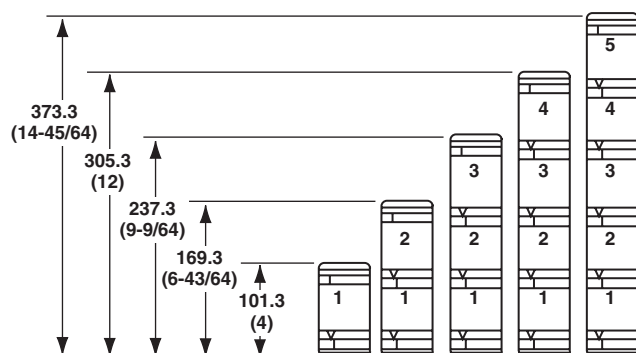
- ❶ No inventory (longer delivery time)
❷ White LEDs are only suitable for use with clear caps

PQ = Package Quantity

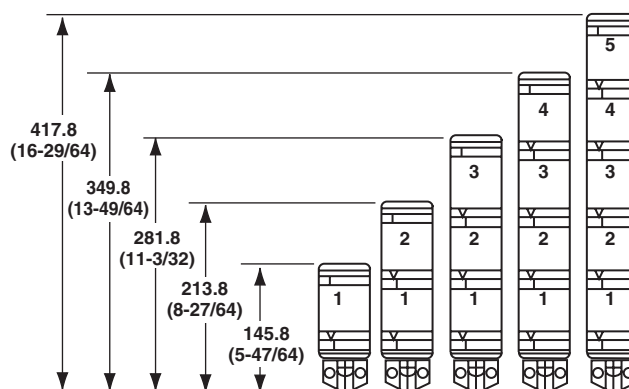
Dimensions in Millimetres and (inches)

Dimensions of Combinations - Light Only Modules

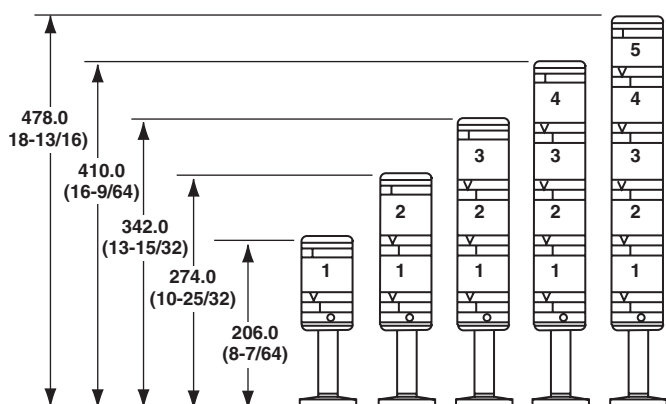
Surface Mount Base



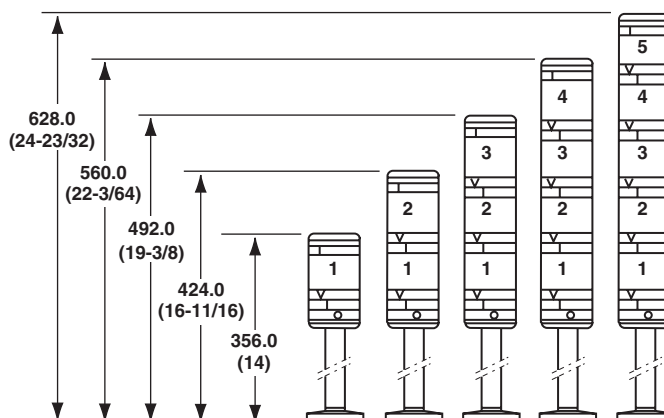
Vertical Mount Base



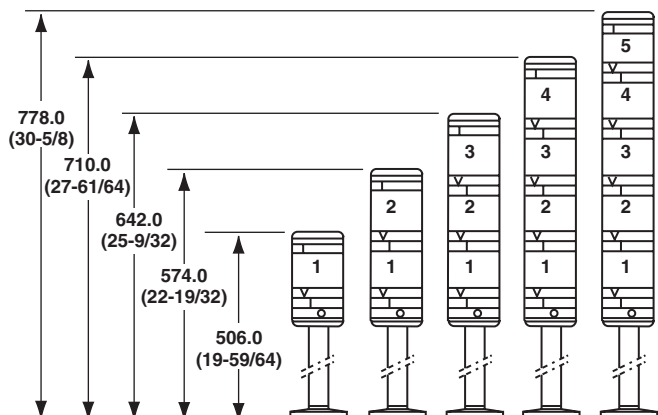
10 cm Pole Mount Base



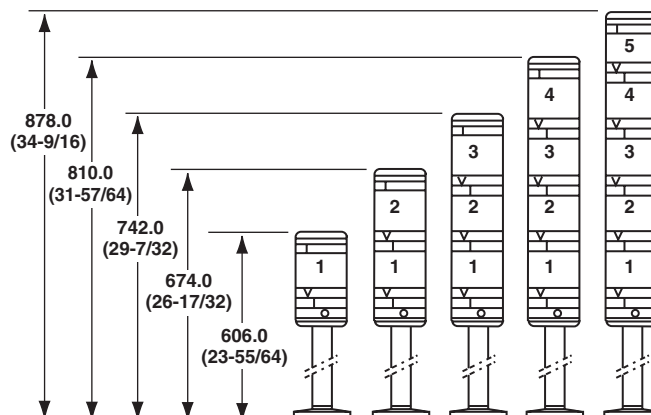
25 cm Pole Mount Base



40 cm Pole Mount Base



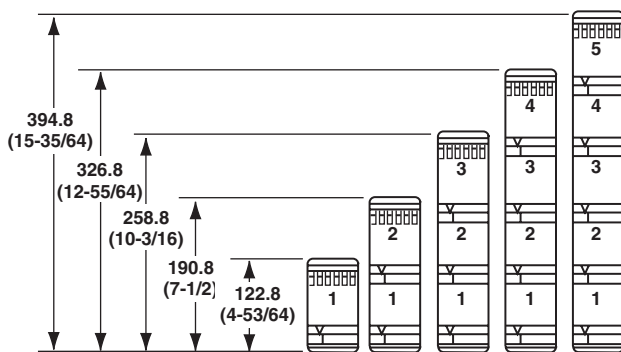
50 cm Pole Mount Base



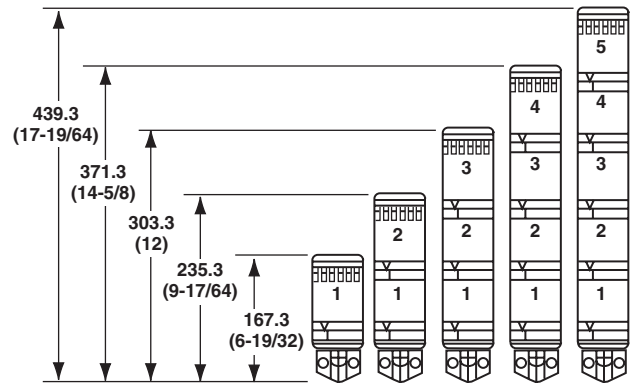
Dimensions in Millimetres and (inches)

Dimensions of Combinations - Light Modules with Sound on Top

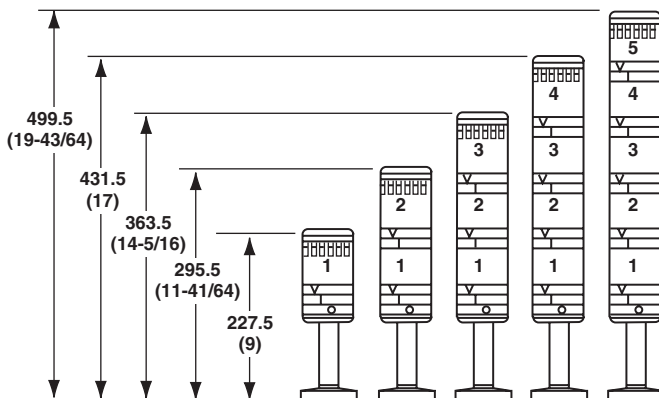
Surface Mount Base



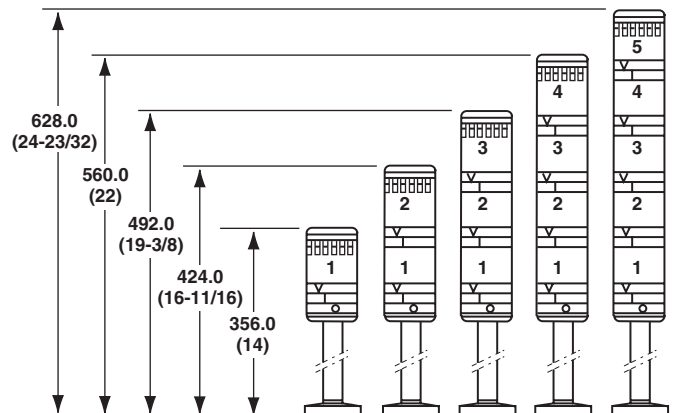
Vertical Mount Base



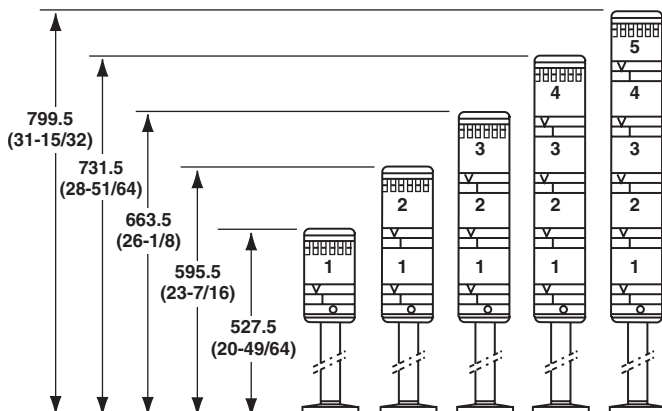
10 cm Pole Mount Base



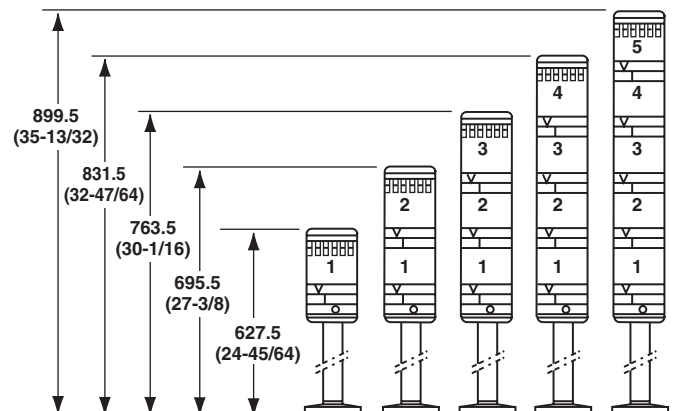
25 cm Pole Mount Base



40 cm Pole Mount Base



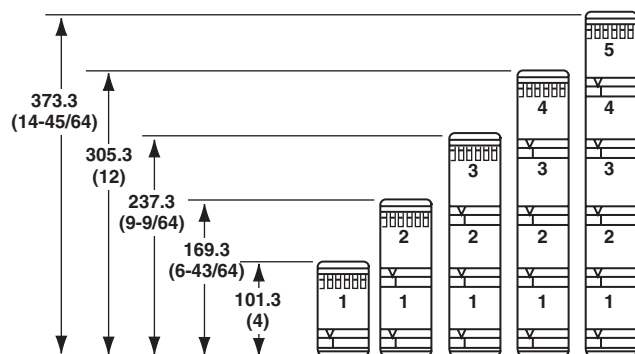
50 cm Pole Mount Base



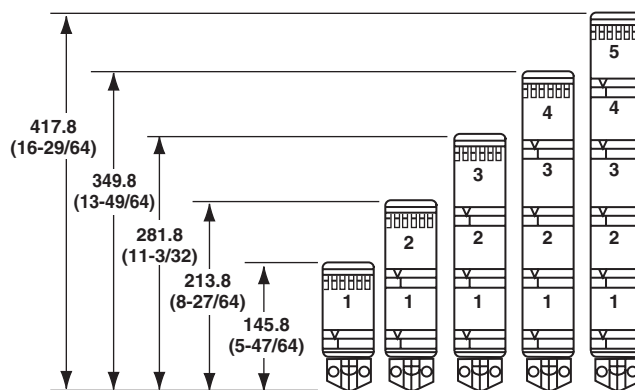
Dimensions in Millimetres and (inches)

Dimensions of Combinations - Sound Module on Top

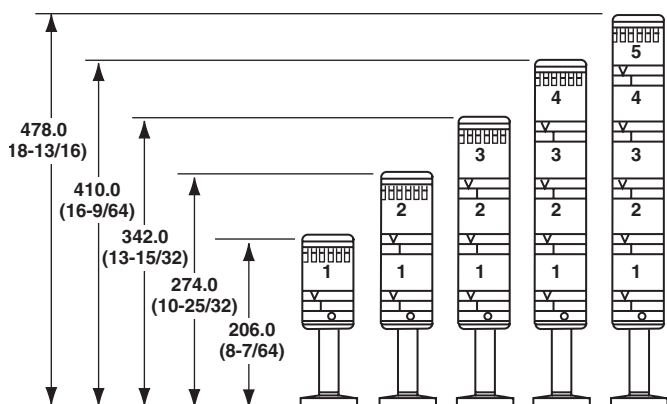
Surface Mount Base



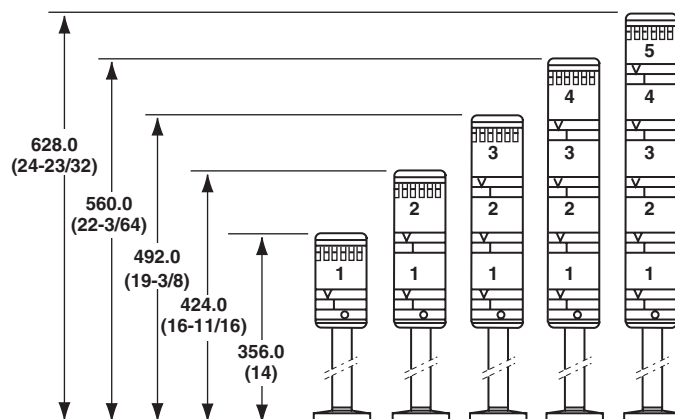
Vertical Mount Base



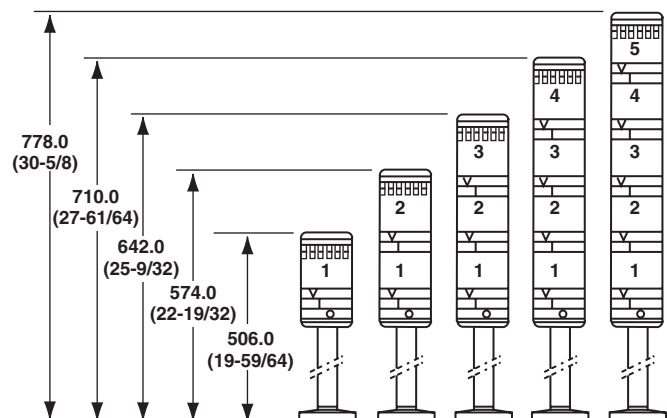
10 cm Pole Mount Base



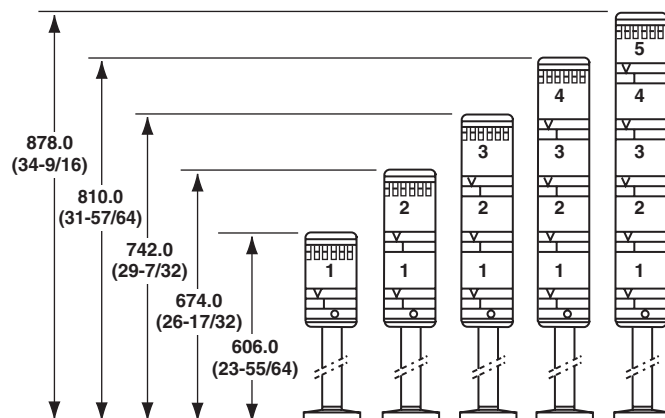
25 cm Pole Mount Base



40 cm Pole Mount Base



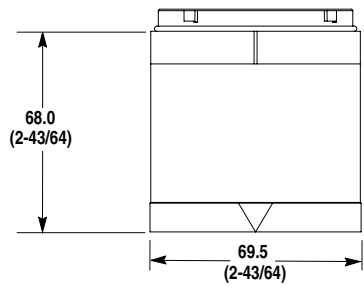
50 cm Pole Mount Base



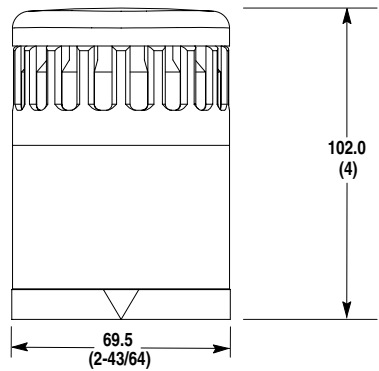
Dimensions in Millimetres and (inches)

Dimensions of the Individual Components

Light Module



Light Module with Sound



Steady Incandescent

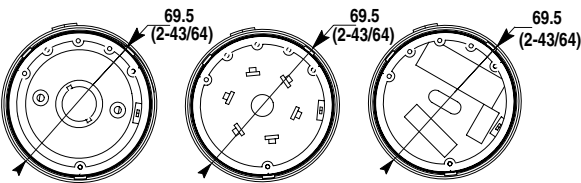
Steady LED

Flashing incandescent

Flashing LED

Rotating LED

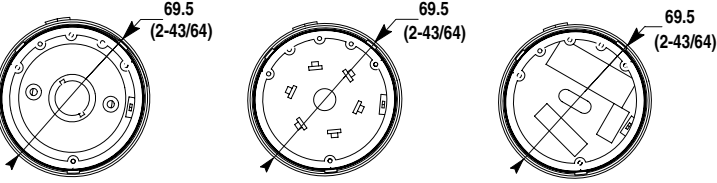
Strobe



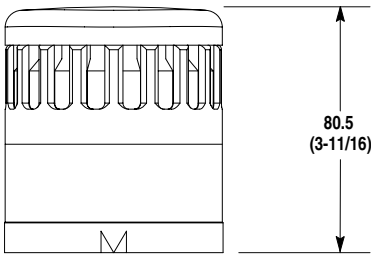
Steady Incandescent with Sound

Flashing incandescent with Sound

Strobe with Sound



Sound Module

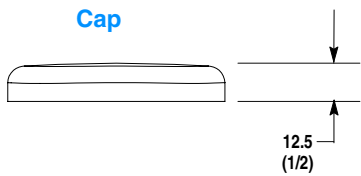


Steady LED with Sound

Flashing LED with Sound

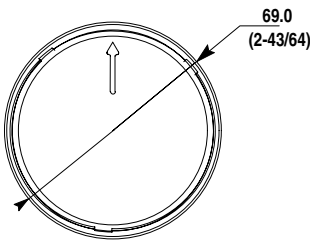
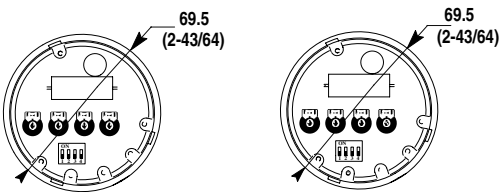
Rotating LED with Sound

Cap



Single Tone Sound Module

Dual Tone Sound Module

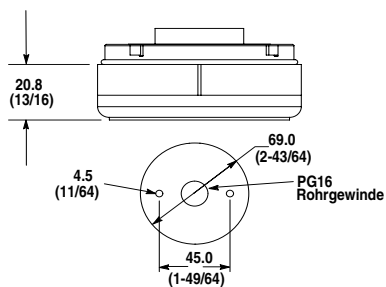


Bulletin 855T
Control Tower™ Stack Lights
 Dimensions

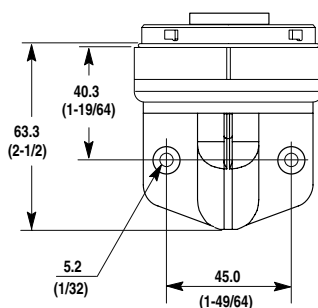
Dimensions in Millimetres and (inches)

Dimensions of the Individual Components

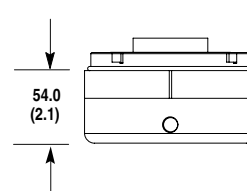
Surface Mount Base



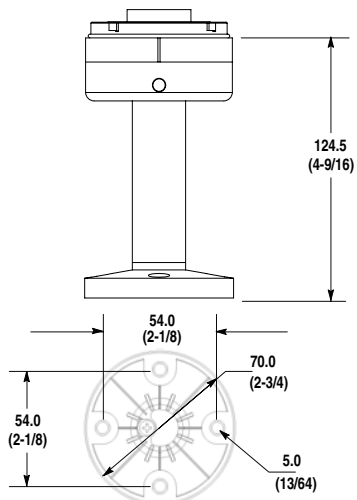
Vertical Mount Base



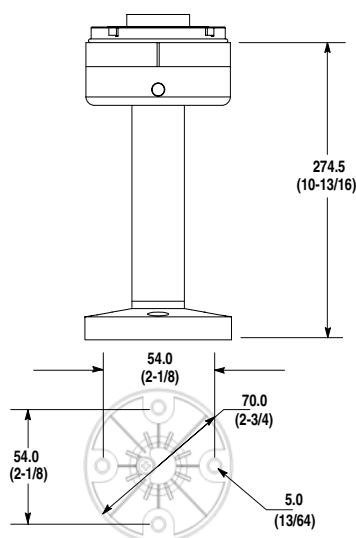
Tube Mount Base



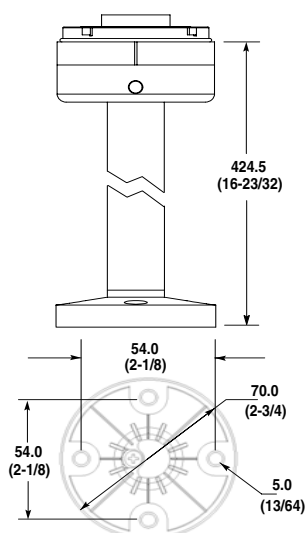
10 cm Pole Mount Base



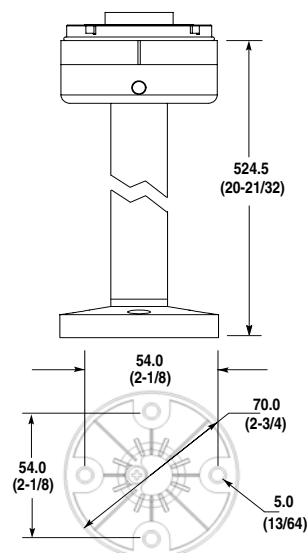
25 cm Pole Mount Base



40 cm Pole Mount Base



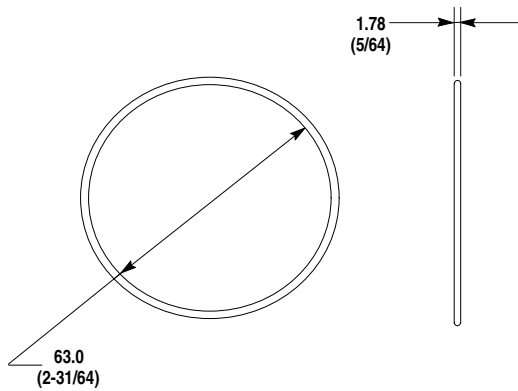
50 cm Pole Mount Base



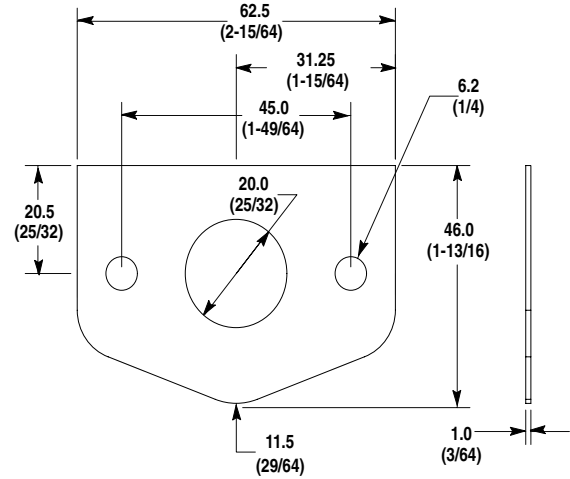
Dimensions in Millimetres and (inches)

Dimensions of the Individual Components, Accessories

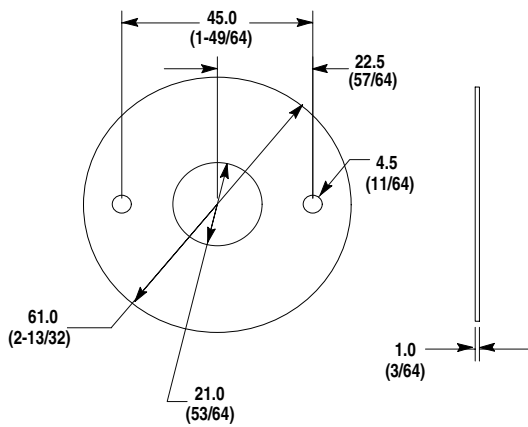
Lens O-Ring



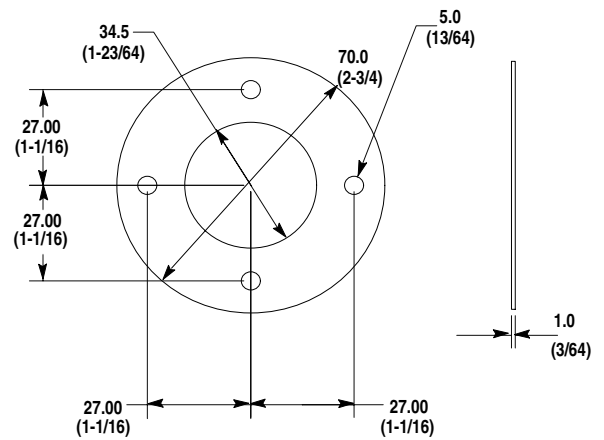
Vertical Mount Gasket



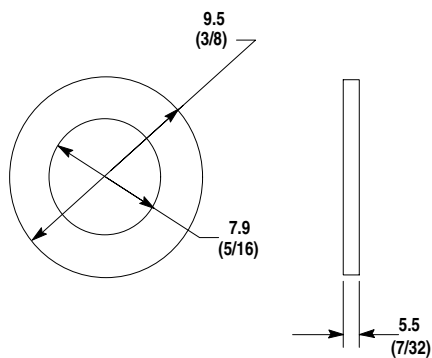
Surface Mount Gasket



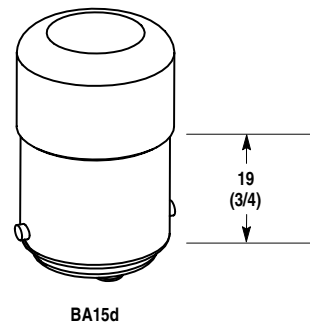
Pole Mount Gasket



Mounting Screw Washer



Incandescent Lamp



Dimensions in Millimetres and (inches)

Drilling Templates

