RMQ Titan® control circuit devices

RMQ Titan is a completely new range of control circuit devices. Attractive appearance, simple mounting, customized laser inscription and the use of LEDs instead of filament bulbs distinguish this new range of products.

In the development of RMQ Titan, particular attention was paid to achieving a consistent and uniform appearance throughout the range. The same external design features and curves can thus be found on all front elements and also on the surface mounting enclosures. Even the customized laser inscription, being available from very low quantities, helps to ensure a uniform appearance, and provides highest wear resistance and durability. Virtually any text or symbols can be inscribed.

Furthermore, machine lifespan (11.5 years in continuous duty), better illumination and less power consumption than comparable filament bulbs, as well as the high operating temperature of up to 70 °C speak for the use of LEDs.

A clear picture at a glance: SL signal towers

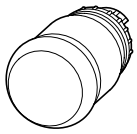
SL signal towers show the operational status of the machine directly in the production shop. For example, they can indicate whether the machine is running or stopped, or that the material flow is interrupted, they can call personnel or signal a fault. Faults can be recognized quickly and therefore also dealt with without delay.

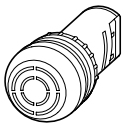
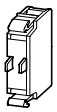
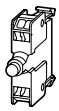
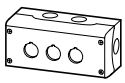
SL signal towers have the particular advantage that each module is freely programmable. Up to five levels can be actuated separately.

They are programmed simply by repositioning a wire link, without the need of complex wiring or tools.

Overview

RMQ Titan®
Grid dimensions: 30 × 40/30 × 50 mm
Mounting diameter: 22.3 mm

	Page
System overview	05/004
Complete units for cover mounting	05/006
Complete units for surface mounting	05/009
 **Emergency-Stop**	05/013
Complete units for surface mounting	05/013
Complete units for cover mounting	05/013
Emergency-Stop operators	05/013
Pushbutton operators	05/015
Double pushbuttons	05/012
Mushroom-head operators	05/017
Selector switches	05/019
Two position	05/019
Three position	05/019
Key-operated selector switches	05/020
Two position	05/020
Three position	05/020
For master key systems	05/021
Illuminated pushbutton operators	05/023
Flush, spring-return/maintained	05/023
Extended, spring-return/maintained	05/024

	Page
Illuminated selector switches	05/025
Two position	05/025
Three position	05/025
Indicating light lens assemblies	05/022
 **Acoustic indicator**	05/022
 **Contact elements**	05/026
With screw terminals	05/026
With cage clamp	05/026
 **LED elements**	05/027
With screw terminals	05/027
With cage clamp	05/028
 **Accessories**	05/040
Legend plates	05/029
Button plates	05/030
Flush mounting panels, shrouds	05/038
Surface mounting enclosures	05/039
Compact indicating lights	05/041
Technical data	05/070
Dimensions	05/075

Key to RMQ Titan type references

e.g. illuminated selector switch

M22S-WLK-W

1st group

M	Moeller
22	22 mm ∅
S	Black

2nd group
Basic functions

D	Pushbutton
DD	Double pushbutton
L	Indicating light
LC	Compact indicating light
PV	Emergency-Stop
W	Selector switch
AM	Acoustic indicator
RR	Potentiometer

3rd group
Add-on functions

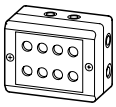
R	Maintained
L	Illuminated
G	Protected actuator
H	Extended
K	Thumb-grip
P	Mushroom
S	Lock
V	V position
3	3 switch positions

4th group
Color of operator (lens)

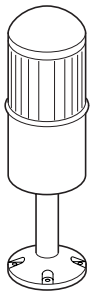
B	Blue
G	Green
R	Red
S	Black
Y	Yellow
W	White
X	Without button plate
MS1-20	Individual lock mechanism
SA(...)	Master key system

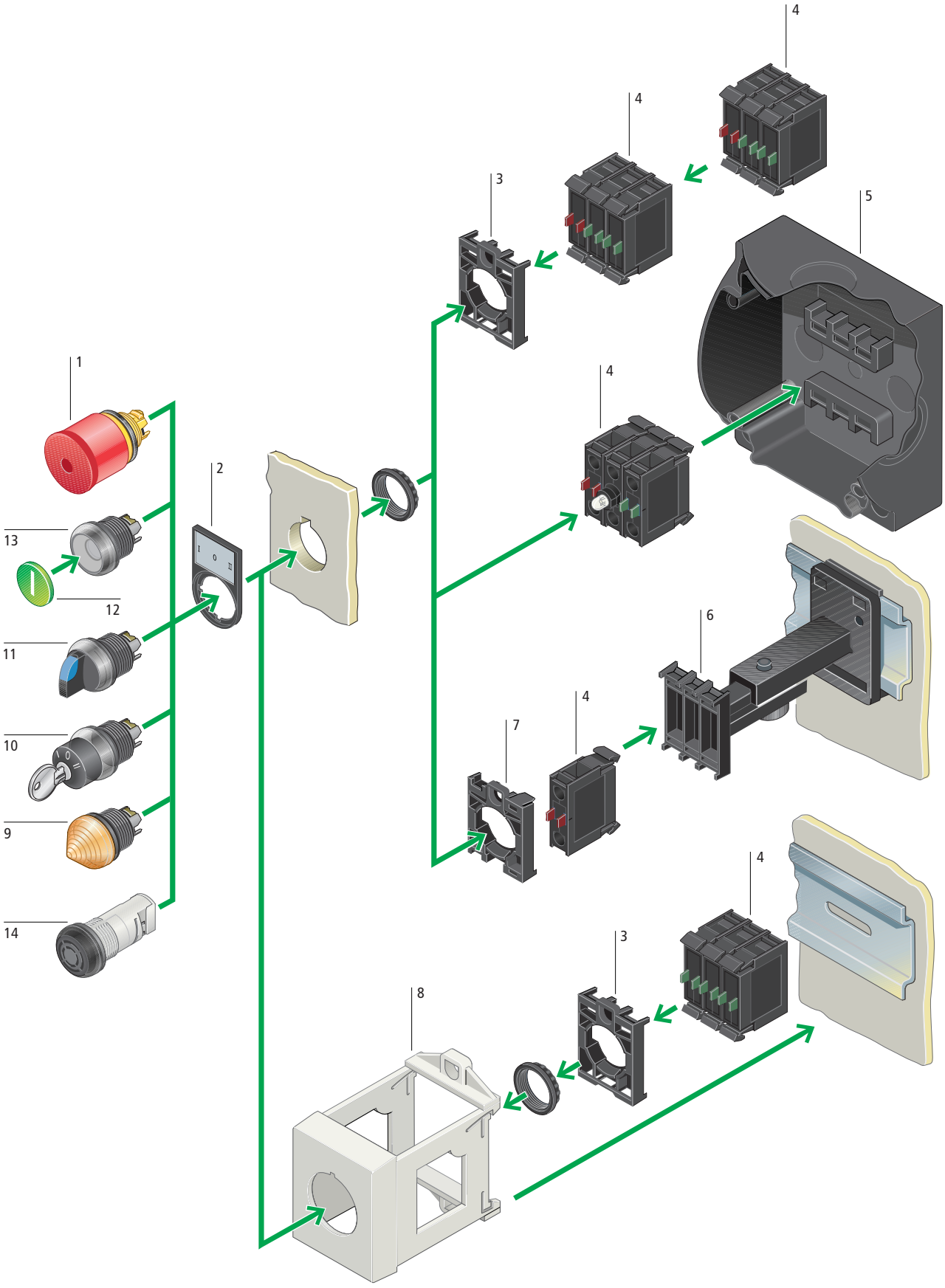
Overview

RMQ16
Grid dimensions: 18 × 18 mm/25 × 25 mm
Mounting diameter: 16.2 mm

	Page
System overview	05/044
Pushbutton operators	05/046
Spring-return	05/046
Maintained	05/046
Illuminated pushbutton operators	05/047
Spring-return	05/047
Maintained	05/047
Selector switches	05/048
Two position	05/048
Three position	05/049
Key-operated selector switches	05/048
Two position	05/048
Three position	05/049
Illuminated selector switches	05/050
Two position	05/050
Three position	05/050
Indicating lights	05/052
Flush	05/052
Conical	05/052
Emergency-Stop	05/053
Emergency-Stop operators	05/053
Emergency-Stop labels	05/053
Contact elements	05/046
N.C. contacts	05/046
N.O. contacts	05/046
 **Accessories**	05/061
Marking plates	05/054
Flush mounting panels	05/060
Surface mounting enclosures	05/060
Technical data	05/072
Dimensions	05/080

SL ... signal towers

	Page
System overview	05/064
 **Complete units**	05/066
Modules	05/068
Accessories	05/069
Technical data	05/074
Dimensions	05/083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RMQ Titan
System Overview

Emergency-Stop operators 1
Tamper proof to ISO 13 850/EN 418
Can be secured by means of sealable shroud
Additional plates with and without text

German Trade Association approval applied for
→ Page 05/013

Legend plates 2
For insert plates
Color: black
Aluminium-colored insert plates, with and without text, can be engraved
→ Page 05/029

Mounting adapter 3
For front mounting
For contact and LED elements
→ Page 05/026

Contact elements 4
N.O. contacts and N.C. contacts
Universal contacts suitable for use with electronic devices
Positive opening safety function to IEC/EN 60 947-5 -1
→ Page 05/026

LED elements 4
Voltage range:
18 – 30 V AC/DC
85 – 264 V AC
→ Page 05/027

Enclosures 5
Surface mounting enclosures IP66 up to 6 locations
Flush mounting panels IP54 up to 6 locations
Shrouds IP40 for flush mounting panels
→ Page 05/039

Telescopic clip 6
For adjusting the depth of rear mounting devices in CI enclosures, CI-K4 enclosures and panels
→ Page 05/040

Centering adapter 7
For centering operators and indicators when using telescopic clip
→ Page 05/040

surface-mounting adapter 8
For direct mounting onto top-hat rail to EN 50 022
For screw mounting
→ Page 05/040

Indicating lights 9
Flush and conical versions
Colors: white, green, red, yellow, blue
→ Page 05/022

Key-operated selector switches 10
Two or three positions
Programmable spring-return/maintained function and key withdrawal
Suitable for master key systems
→ Page 05/020

Selector switches 11
Two or three positions
With rotary head, thumb-grip
Programmable spring-return/maintained function
Illuminated selector switches with transparent thumb-grip
Colors: white, green, red, yellow, blue
→ Page 05/019

Button plates/button lenses 12
Inscription using laser technology for pushbutton operators and mushroom-head operators
Button lenses for illuminated pushbutton operators and indicating lights, flush
With standard texts and symbols or non-standard inscription
→ Page 05/030

Pushbutton operators 13
Spring-return and maintained
Flush and extended
With and without guard ring
Mushroom-head operators
Double pushbuttons
Colors: white, green, red, yellow, blue, black
Illuminated pushbutton operators
Colors: white, green, red, yellow, blue
→ Page 05/015

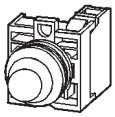
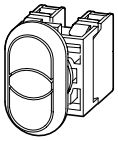
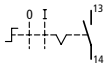
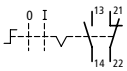
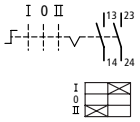
Acoustic indicator 14
Degree of protection IP40, continuous tone, 18 – 30 V DC
→ Page 05/022

Product features

- Snap together modular system
- Front ring titanium or black
- Mounting diameter: 22.3 mm
- Minimum grid dimension 30 × 40 mm
- Degree of protection IP66
- Up to 6 contacts per location
- Switching of different potentials
- Approved throughout the world

RMQ Titan
Complete Units for Cover Mounting

NEMA/UL/CSA 12, 13, 3R, 4X / CE

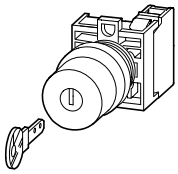
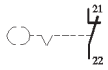
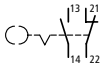
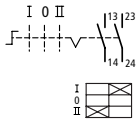
	Button plate	Color	Contacts N.O. = normally open N.C. = normally closed ⊖ = Positive opening safety function to IEC/EN 60 947-5-1 N.O.	N.C.		**Front ring titanium** **Type** Article No.	**Price** see price list
Pushbuttons, IP67, IP69K							
Flush	START	green	1	–		**M22-D-G-GB1/K10** 109420	
	STOP	red	–	1 ⊖		**M22-D-R-GB0/K01** 109421	
	START	green	1	1 ⊖		**M22-D-G-GB1/K11** 109422	
	STOP	red	1	1 ⊖		**M22-D-R-GB0/K11** 109423	
Extended 	START	green	1	–		**M22-DH-G-GB1/K10** 109424	
	STOP	red	–	1 ⊖		**M22-DH-R-GB0/K01** 109425	
	START	green	1	1 ⊖		**M22-DH-G-GB1/K11** 109426	
	STOP	red	1	1 ⊖		**M22-DH-R-GB0/K11** 109427	
Mushroom-head	START	green	1	–		**M22-DP-G-GB1/K10** 109428	
	STOP	red	–	1 ⊖		**M22-DP-R-GB0/K01** 109429	
	START	green	1	1 ⊖		**M22-DP-G-GB1/K11** 109430	
	STOP	red	1	1 ⊖		**M22-DP-R-GB0/K11** 109431	
Double pushbuttons, IP66							
Cover plate, white 	START	green	1	–		**M22-DDL-GR-GB1/GB0/K11** 109432	
	STOP	red	–	1 ⊖			
With LED element lens white 85 – 264 V AC	START	green	1	–		**M22-DDL-GR-GB1/GB0/K11/230-W** 109433	
	STOP	red	–	1 ⊖			
Selector switches, black thumb-grip handle, IP66 Maintained/spring-return function can be changed using M22-XC-Y coding adapters							
Two position, maintained			1	–		**M22-WKV/K10** 109434	
			1	1 ⊖		**M22-WKV/K11** 109435	
Three position, maintained			2	–		**M22-WRK3/K20** 216520	

Notes

[1] Switch positions 0, I, II correspond to the position of the selector switch viewed from the front.

RMQ Titan
Complete Units for Cover Mounting

NEMA/UL/CSA 12, 13, 3R, 4X / CE

	Button plate	Color	Contacts N.O. = normally open N.C. = normally closed ⊖ = Positive opening safety function to IEC/EN 60 947-5-1 N.O.	N.C.		Front ring titanium Type Article No.	Price see price list
Key-operated selector switches, with 1 key, IP66 Maintained/spring-return function and key withdrawability can be changed using M22-XC-... coding adapters							
Two position, maintained MS1 lock mechanism 			–	1 ⊖		**M22-WRS/K01** 109436	
			1	1 ⊖		**M22-WRS/K11** 216517	
Three position, maintained MS1 lock mechanism			2	–		**M22-WRS3/K20** 109437	
Indicating lights, IP 67, 69K							
Flush lens, with LED element 85 – 264 V AC		green				**M22-L-G/230-G** 109438	
		red				**M22-L-R/230-R** 109439	
		yellow				**M22-L-Y/230-W** 109440	
		white				**M22-L-W/230-W** 109441	
		blue				**M22-L-B/230-B** 109442	
Flush lens, with LED element 18 – 30 V AC/DC		green				**M22-L-G/G** 109443	
		red				**M22-L-R/R** 109444	
		yellow				**M22-L-Y/W** 109445	
		white				**M22-L-W/W** 109446	
		blue				**M22-L-B/B** 109579	
Extended lens, with LED element 85 – 264 V AC		green				**M22-LH-G/230-G** 109447	
		red				**M22-LH-R/230-R** 109448	
		yellow				**M22-LH-Y/230-W** 109449	
		white				**M22-LH-W/230-W** 109450	
		blue				**M22-LH-B/230-B** 109451	
Extended lens, with LED element 18 – 30 V AC/DC		green				**M22-LH-G/G** 109452	
		red				**M22-LH-R/R** 109453	
		yellow				**M22-LH-Y/W** 109454	
		white				**M22-LH-W/W** 109455	
		blue				**M22-LH-B/B** 109456	

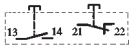
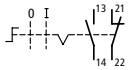
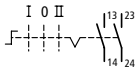
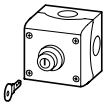
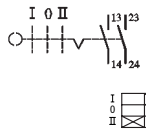
RMQ Titan
Complete Units for Cover Mounting

NEMA/UL/CSA 12, 13, 3R, 4X / CE

	Button plate	Color	Contacts N.O. = normally open N.C. = normally closed ⊖ = Positive opening safety function to IEC/EN 60 947-5-1 N.O.	N.C.		Front ring titanium Type Article No.	Price see price list
Illuminated pushbuttons, IP 67, 69K							
Flush lens, with LED element 85 – 264 V AC		green	1	1 ⊖		**M22-DL-G/K11/230-G** 109457	
		red				**M22-DL-R/K11/230-R** 109458	
		yellow				**M22-DL-Y/K11/230-W** 109459	
		white				**M22-DL-W/K11/230-W** 109460	
		blue				**M22-DL-B/K11/230-B** 109461	
Flush lens, with LED element 18 – 30 V AC/DC		green				**M22-DL-G/K11/G** 109462	
		red				**M22-DL-R/K11/R** 109463	
		yellow				**M22-DL-Y/K11/W** 109464	
		white				**M22-DL-W/K11/W** 109465	
		blue				**M22-DL-B/K11/B** 109466	
Extended lens, with LED element 85 – 264 V AC		green				**M22-DLH-G/K11/230-G** 109467	
		red				**M22-DLH-R/K11/230-R** 109468	
		yellow				**M22-DLH-Y/K11/230-W** 109469	
		white				**M22-DLH-W/K11/230-W** 109470	
		blue				**M22-DLH-B/K11/230-B** 109471	
Extended lens, with LED element 18 – 30 V AC/DC		green				**M22-DLH-G/K11/G** 109472	
		red				**M22-DLH-R/K11/R** 109473	
		yellow				**M22-DLH-Y/K11/W** 109474	
		white				**M22-DLH-W/K11/W** 109475	
		blue				**M22-DLH-B/K11/B** 109476	

RMQ Titan
Complete Units for Surface Mounting

NEMA/UL/CSA 12, 13, 3R, 4X / IEC IP 66 / CE

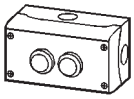
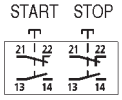
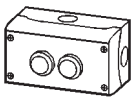
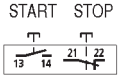
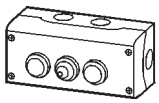
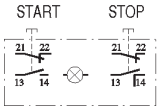
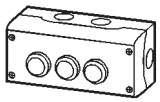
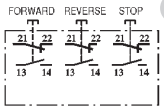
	Button plate	Color	Number of locations	Contacts N.O. = normally open N.C. = normally closed ⊖ = Positive opening safety function to IEC/EN 60 947-5-1 N.O.	N.C.		Color[2] enclosure top	**Front ring titanium** **Type** Article no.	**Price** See Price List
Pushbuttons									
Flush operator	START	green	1	1	1 ⊖		gray	**M22-D-G-GB1/KC11/I-NA** 109477	
	STOP	red	1	1	1 ⊖		gray	**M22-D-R-GB0/KC11/I-NA** 109478	
Extended operator	START	green	1	1	1 ⊖		gray	**M22-DH-G-GB1/KC11/I-NA** 109479	
	STOP	red	1	1	1 ⊖		gray	**M22-DH-R-GB0/KC11/I-NA** 109480	
Mushroom-head operator	START	green	1	1	1 ⊖		gray	**M22-DP-G-GB1/KC11/I-NA** 109481	
	STOP	red	1	1	1 ⊖		gray	**M22-DP-R-GB0/KC11/I-NA** 109482	
Double pushbutton	START STOP	green red	1	1	1 ⊖		gray	**M22-DDL-GR-GB1/GB0/KC11/I-NA** 109483	
Selector switches									
2 position, maintained			1	1	1 ⊖		gray	**M22-WKV/KC11/I-NA** 109484	
3 position, maintained			1	2	-		gray	**M22-WRK3/KC20/I-NA** 109485	
Emergency-Stop key-release mushroom-head button[2] **With 1 key**									
MS1 lock mechanism			1	1	1 ⊖		yellow	**M22-PVS/KC11/IY-NA** 109486	
Key-operated selector switches Maintained/spring-return function and key withdrawability can be changed using M22-XC-... coding adapters With 1 key									
2 position, maintained MS1 lock mechanism 			1	1	1 ⊖		gray	**M22-WRS/KC11/I-NA** 109488	
3 position, maintained MS1 lock mechanism			1	2	-		gray	**M22-WRS3/KC20/I-NA** 109489	

Notes

[1] Switch positions 0, I, II correspond to the position of the selector switch viewed from the front.
[2] Gray = RAL 7035
Yellow = RAL 1004

RMQ Titan
Complete Units for Surface Mounting

NEMA/UL/CSA 12, 13, 3R, 4X / IEC IP 66 / CE

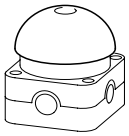
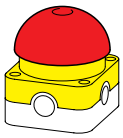
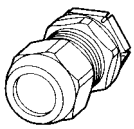
	Button plate	Color	Number of locations	Contacts N.O. = normally open N.C. = normally closed ⊖ = Positive opening safety function to IEC/EN 60 947-5-1 N.O.	N.C.		Color[2] enclosure top	**Front ring titanium** **Type** Article no.	**Price** See Price List
Enclosures, with contact elements									
Without buttons			1	1	1 ⊖		gray	**M22-I1-M1-NA** 109490	
			1	1	1 ⊖		yellow	**M22-I1Y-M1-NA** 109491	
Two-unit pushbutton station									
	START STOP	green red	2	2	2 ⊖		gray	**M22-I2-M1-NA** 109492	
	START STOP	green red	2	1	1 ⊖		gray	**M22-I2-M3-NA** 109493	
Two-unit pushbutton station With red indicating light									
LED element 85 – 264 V AC 	START ON STOP	green red red	3	2	2 ⊖		gray	**M22-I3-M2-NA** 109494	
Three-unit pushbutton station									
	FORWARD REVERSE STOP	black black red	3	3	3 ⊖		gray	**M22-I3-M1-NA** 109495	

Notes

[1] Switch positions 0, I, II correspond to the position of the selector switch viewed from the front.
[2] Gray = RAL 7035
Yellow = RAL 1004

RMQ Titan
Complete Units for Surface Mounting, Assembly Parts

NEMA/UL/CSA 4, 4X, 13 / CE

	Contacts N.O. = normally open N.C. = normally closed ⊖ = Positive opening safety function to IEC/EN 60 947-5-1 N.O.	N.C.		Color of mushroom head	Type Article No.	Price see price list
Foot and palm switches, IP67, 69K Enclosure base, black (RAL 9005), enclosure top, light grey (RAL 7035)						
						
Spring-return						
	1	1 ⊖		black	**FAK-S/KC11/I** 229749	
	1	1 ⊖		red	**FAK-R/KC11/I** 229746	
Foot and palm switches IP67, 69K Emergency-Stop pushbuttons, tamper proof to ISO 13 850/EN 418 Enclosure base, black (RAL 9005) enclosure top, yellow (RAL 1004), plunger, red (RAL 3000),						
maintained-pull to release	–	1 ⊖		red	**FAK-R/V/KC01/IY** 229747	
	1	1 ⊖		red	**FAK-R/V/KC11/IY** 229748	
Indicating lights, conical, BA 9s For filament bulbs, neon bulbs and LEDs up to 2.4 W → Page 05/042				Color		
				red	**L-R** 208689	
				white	**L-W** 208692	
				green	**L-G** 208690	
				yellow	**L-Y** 208691	
Metric cable gland M20 to EN 50 262 • with locknut and integral strain relief • IP 68 up to 5 bar, halogen-free • external cable diameter 6 - 13 mm					**V-M20** 206910	
						

Notes: For metric-to-½" NPT adapters, → page 06/018

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NEMA/UL/CSA 12, 13, 3R, 4X / CE

FAK Assembly Parts, Double Pushbutton Operators

FAK Assembly Parts	Description	Color	Type Article No.	List Price See Price List
Enclosure bases				
	Max. of 3 M22(C)K... contacts can be installed → page 05/026	black	**FAK-IU** 229753	
Enclosure tops				
Spring-return	Mushroom head black	gray	**FAK-S** 095540	
	Mushroom head red		**FAK-R** 071810	
	Mushroom head yellow		**FAK-Y** 229754	
Maintained	Mushroom head red	yellow	**FAK-R/V/Y** 229755	

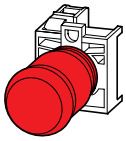
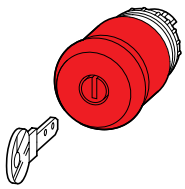
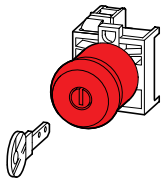
	Button plate style Symbol	Color	Front ring titanium Type Article No.	Front ring black Type Article No.	List Price See Price List
Double pushbutton operators, IP 66					
For use as both standard double pushbutton or as double pushbutton with indicating light. Lens/cover plate is white.	I	green	**M22-DDL-GR-X1/X0** 216700	**M22S-DDL-GR-X1/X0** 216701	
	0	red			
	I	white	**M22-DDL-WS-X1/X0** 216706	**M22S-DDL-WS-X1/X0** 216707	
	0	black			
	START	green	**M22-DDL-GR-GB1/GB0** 216702	**M22S-DDL-GR-GB1/GB0** 216703	
	STOP	red			
	START	white	**M22-DDL-WS-GB1/GB0** 216708	**M22S-DDL-WS-GB1/GB0** 216709	
	STOP	black			
	↑	black	**M22-DDL-S-X7/X7** 216710	**M22S-DDL-S-X7/X7** 216711	
	↓	black			
	+	black	**M22-DDL-S-X4/X5** 218145	**M22S-DDL-S-X4/X5** 218146	
	–	black			
		green	**M22-DDL-GR** 216698	**M22S-DDL-GR** 216699	
		red			
		white	**M22-DDL-WS** 216704	**M22S-DDL-WS** 216705	
		black			
	[1]		**M22-DDL-*-*-*** 226770	**M22S-DDL-*-*-*** 230350	

Notes:

[1] Example: M22(S)-DDL - * - * - * ← Symbol/text for lower button plate (e.g.: X17 = HORN symbol)

Color of button plate (e.g.: GW for green/white)

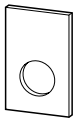
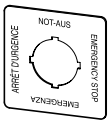
Symbol/text for upper button plate (e.g.: GB6 = ON)

	Contacts N.O. = normally open N.C. = normally closed ⊖ = Positive opening safety function to IEC/EN 60 947-5-1 N.O.	N.C.		Color Color of base yellow Plunger	Color [1]	**Type** Article no.	**List Price** See Price List
Complete units for surface mounting, IP66, 69K Emergency-Stop pushbuttons, tamper proof to ISO 13 850/EN 418 Pull to release Max. number of contacts that can be used: 3 × M22-(C)K...							
	1	1			red	**M22-PV/KC11/IY-NA** 109496	
	–	2			red	**M22-PV/KC02/IY-NA** 109497	
Complete units for cover mounting, IP66 Emergency-Stop pushbuttons, tamper proof to ISO 13 850/EN 418 Pull to release Max. number of contacts that can be used: 4 × M22-(C)K...							
	–	1 ⊖			red	**M22-PV/K01** 216515	
	1	1 ⊖			red	**M22-PV/K11** 216516	
Emergency-Stop operator 	–	–	–		red	**M22-PV** 216876	
Stop pushbutton operator	–	–	–		black	**M22S-PV** 225528	
Emergency-Stop operator Illuminated 	–	–	–		red	**M22-PVL** 216878	
Emergency-Stop key-release mushroom-head operator, IP66							
With one key 	MS1 individual lock mechanisms	–	–	–	red	**M22-PVS** 216879	
	MS2 – 20 individual lock mechanisms	–	–	–	red	**M22-PVS-MS*** 216880	
Emergency-Stop key-release mushroom-head pushbutton to ISO 13 850/EN 418							
With 1 key, MS1 individual lock mechanism 	–	1 ⊖			red	**M22-PVS/K01** 216514	

Notes [1] Red = RAL 3000

RMQ Titan

Emergency-Stop Labels, Sealable Shroud

	Text	Country identifier (as explanation)	Color	Type Article no.	List Price See Price List
Emergency-Stop labels, IP66 Black text, 33 × 50 mm					
	Emergency-Stop	GB	yellow	**M22-XZK-GB99** 216472	
	Arrêt d'urgence	F		**M22-XZK-F99** 216473	
	Not-Aus	D		**M22-XZK-D99** 216471	
	EMERGENZA	I		**M22-XZK-I99** 216474	
	Blank	–		**M22-XZK** 216470	
	With customized inscription[1]			**M22-XZK-*** 216479	
50 × 50 mm 	Four-language	D, GB, F, I		**M22-XYK1** 216484	
∅ = 90 mm 	Blank		yellow	**M22-XAK** 216464	
	Four-language	D, GB, F, I		**M22-XAK1** 216465	
	Four-language	D, GB, E, POR		**M22-XAK2** 216466	
	Four-language	D, GB, NL, F		**M22-XAK3** 216467	
	Four-language	GB, S, SF, DK		**M22-XAK4** 216468	
	With customized inscription			**M22-XAK-*** 216469	
∅ = 60 mm 	Four-language	D, GB, F, I		**M22-XBK1** 216483	
Sealable shroud[2], IP66 				**M22-PL-PV** 216397	

Notes

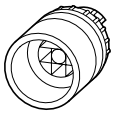
[1] Other languages available upon request - please inquire
Letter height: 5 mm
Number of lines: max. 2
Characters per line: max. 7

[2] Transparent with collapse point, can be reused after an Emergency-Stop.
For use with M22(S)-PV, M22-PVL, M22-PVS
Adjacent holes in the 30 × 50 mm grid, are to be sealed with M22(S)-B blanking plugs.

	Button plate style	Color/symbol	Front ring titanium **Type** Article no.	Front ring black **Type** Article no.	**List Price** See Price List
Pushbutton operators, IP67, 69K					
Operator flush, spring-return		black	**M22-D-S** 216590	**M22S-D-S** 216591	
		white	**M22-D-W** 216592	**M22S-D-W** 216593	
		red	**M22-D-R** 216594	**M22S-D-R** 216595	
		green	**M22-D-G** 216596	**M22S-D-G** 216597	
		yellow	**M22-D-Y** 216598	**M22S-D-Y** 216599	
		blue	**M22-D-B** 216600	**M22S-D-B** 216601	
	Without		**M22-D-X** 216602	**M22S-D-X** 216604	
	STOP	red/STOP	**M22-D-R-GB0** 109498	**M22S-D-R-GB0** 109499	
		green/START	**M22-D-G-GB1** 109500	**M22S-D-G-GB1** 109501	
	STOP	black/STOP	**M22-D-S-GB0** 109502	**M22S-D-S-GB0** 109503	
	START	white/START	**M22-D-W-GB1** 109504	**M22S-D-W-GB1** 109505	
		black/O	**M22-D-S-XO** 216609	**M22S-D-S-XO** 216610	
		white/I	**M22-D-W-X1** 216611	**M22S-D-W-X1** 216612	
Operator flush, maintained Programmable maintained/spring-return function		black	**M22-DR-S** 216613	**M22S-DR-S** 216614	
		white	**M22-DR-W** 216615	**M22S-DR-W** 216616	
		red	**M22-DR-R** 216617	**M22S-DR-R** 216618	
		green	**M22-DR-G** 216619	**M22S-DR-G** 216620	
		yellow	**M22-DR-Y** 216621	**M22S-DR-Y** 216622	
		blue	**M22-DR-B** 216623	**M22S-DR-B** 216624	
	Without		**M22-DR-X** 216625	**M22S-DR-X** 216627	
	STOP	red/STOP	**M22-DR-R-GB0** 109506	**M22-DR-R-GB0** 109507	
		green/START	**M22-DR-G-GB1** 109508	**M22S-DR-G-GB1** 109509	
	STOP	black/STOP	**M22-DR-S-GB0** 109510	**M22S-DR-S-GB0** 109511	
	START	white/START	**M22-DR-W-GB1** 109512	**M22S-DR-W-GB1** 109513	
		black/O	**M22-DR-S-XO** 216632	**M22S-DR-S-XO** 216633	
		white/I	**M22-DR-W-X1** 216634	**M22S-DR-W-X1** 216635	

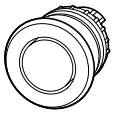
RMQ Titan
Pushbutton Operators

NEMA/UL/CSA 12, 13, 3R, 4X / CE

	Button plate style	Color/symbol	Front ring titanium **Type** Article no.	Front ring black **Type** Article no.	**List Price** See Price List
Pushbutton operators, IP67, 69K					
Operator extended, spring-return	●	black	**M22-DH-S** 216636	**M22S-DH-S** 216637	
	○	white	**M22-DH-W** 216638	**M22S-DH-W** 216639	
	●	red	**M22-DH-R** 216641	**M22S-DH-R** 216642	
	●	green	**M22-DH-G** 216643	**M22S-DH-G** 216645	
	●	yellow	**M22-DH-Y** 216646	**M22S-DH-Y** 216647	
	●	blue	**M22-DH-B** 216649	**M22S-DH-B** 216650	
	Without		**M22-D-X** 216602	**M22S-D-X** 216604	
	STOP	red/STOP	**M22-DH-R-GB0** 109514	**M22S-DH-R-GB0** 109515	
	START	green/START	**M22-DH-G-GB1** 109516	**M22S-DH-G-GB1** 109517	
	STOP	black/STOP	**M22-DH-S-GB0** 109518	**M22S-DH-S-GB0** 109519	
	START	white/START	**M22-DH-W-GB1** 109520	**M22S-DH-W-GB1** 109521	
Operator extended, maintained Programmable maintained/spring-return function	●	black	**M22-DRH-S** 216663	**M22S-DRH-S** 216664	
	○	white	**M22-DRH-W** 216665	**M22S-DRH-W** 216666	
	●	red	**M22-DRH-R** 216667	**M22S-DRH-R** 216668	
	●	green	**M22-DRH-G** 216669	**M22S-DRH-G** 216670	
	●	yellow	**M22-DRH-Y** 216671	**M22S-DRH-Y** 216672	
	●	blue	**M22-DRH-B** 216673	**M22S-DRH-B** 216674	
	Without		**M22-DR-X** 216625	**M22S-DR-X** 216627	
	STOP	red/STOP	**M22-DRH-R-GB0** 109522	**M22S-DRH-R-GB0** 109523	
	START	green/START	**M22-DRH-G-GB1** 109524	**M22S-DRH-G-GB1** 109525	
	STOP	black/STOP	**M22-DRH-S-GB0** 109526	**M22S-DRH-S-GB0** 109527	
	START	white/START	**M22-DRH-W-GB1** 109528	**M22S-DRH-W-GB1** 109529	
With guard ring, spring-return 	Without		**M22-DG-X** 220921	–	

RMQ Titan
Pushbutton Operators

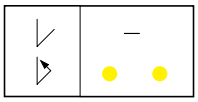
NEMA/UL/CSA 12, 13, 3R, 4X / CE

	Button plate style	Mushroom color		Front ring titanium **Type** Article no.	Front ring black **Type** Article no.	**Price** See Price List
Mushroom operators, IP67, 69K						
Spring-return 			black	**M22-DP-S** 216712	**M22S-DP-S** 216713	
			red	**M22-DP-R** 216714	**M22S-DP-R** 216715	
			green	**M22-DP-G** 216716	**M22S-DP-G** 216717	
			yellow	**M22-DP-Y** 216718	**M22S-DP-Y** 216719	
	STOP		red	**M22-DP-R-GB0** 109530	**M22S-DP-R-GB0** 109531	
			green	**M22-DP-G-GB1** 109532	**M22S-DP-G-GB1** 109533	
	STOP		black	**M22-DP-S-GB0** 109534	**M22S-DP-S-GB0** 109535	
	START		black	**M22-DP-W-GB1** 109536	**M22S-DP-W-GB1** 109537	
	Without		black	**M22-DP-S-X** 216728	**M22S-DP-S-X** 216730	
	Without		red	**M22-DP-R-X** 216731	**M22S-DP-R-X** 216733	
	Without		green	**M22-DP-G-X** 216734	**M22S-DP-G-X** 216736	
	Without		yellow	**M22-DP-Y-X** 216737	**M22S-DP-Y-X** 216739	

RMQ Titan
Pushbutton Operators

NEMA/UL/CSA 12, 13, 3R, 4X / CE

	Button plate style	Mushroom color	Front ring titanium **Type** Article no.	Front ring black **Type** Article no.	**Price** See Price List
Mushroom operators, IP67, 69K					
Maintained Programmable maintained/spring-return function	●	● black	**M22-DRP-S** 216743	**M22S-DRP-S** 216744	
	●	● red	**M22-DRP-R** 216745	**M22S-DRP-R** 216746	
	●	● green	**M22-DRP-G** 216747	**M22S-DRP-G** 216748	
	●	● yellow	**M22-DRP-Y** 216749	**M22S-DRP-Y** 216750	
	STOP	● red	**M22-DRP-R-GB0** 109538	**M22S-DRP-R-GB0** 109539	
		● green	**M22-DRP-G-GB1** 109540	**M22S-DRP-G-GB1** 109541	
	STOP	● black	**M22-DRP-S-GB0** 109542	**M22S-DRP-S-GB0** 109543	
	START	● black	**M22-DRP-W-GB1** 109544	**M22S-DRP-W-GB1** 109545	
	Without	● black	**M22-DRP-S-X** 216759	**M22S-DRP-S-X** 216761	
	Without	● red	**M22-DRP-R-X** 216762	**M22S-DRP-R-X** 216764	
	Without	● green	**M22-DRP-G-X** 216765	**M22S-DRP-G-X** 216767	
	Without	● yellow	**M22-DRP-Y-X** 216768	**M22S-DRP-Y-X** 216770	

	Function = Maintained = Spring-return		Text	**Front ring titanium** **Type** Article no.	**Front ring black** **Type** Article no.	**Price** See Price List
Selector switch operators, two positions, IP66						
Rotary button		40°		**M22-W** 216853	**M22S-W** 216854	
		60°		**M22-WR** 216855	**M22S-WR** 216856	
		60°		**M22-WR-X92** 216857	**M22S-WR-X92** 216858	
		60°	AUTO HAND	**M22-WR-X91** 216859	**M22S-WR-X91** 216860	
Thumb-grip		40°	–	**M22-WK** 216865	**M22S-WK** 216866	
		60°	–	**M22-WRK** 216867	**M22S-WRK** 216869	
Thumb-grip, V position		60°	–	**M22-WKV** 216874	**M22S-WKV** 216875	
Selector switch operators, 3 positions, IP66						
Rotary button	40°	40°		**M22-W3** 216861	**M22S-W3** 216862	
	60°	60°		**M22-WR3** 216863	**M22S-WR3** 216864	
Thumb-grip	40°	40°	–	**M22-WK3** 216870	**M22S-WK3** 216871	
	60°	60°	–	**M22-WRK3** 216872	**M22S-WRK3** 216873	
	1)		–	**M22-WRK3-*** 217436	**M22S-WRK3-*** 217437	
Coding adapters, for all selector switch operators For converting between maintained and spring-return functions, Color: yellow 				**M22-XC-Y** 216407	**M22-XC-Y** 216407	

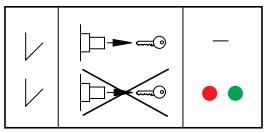
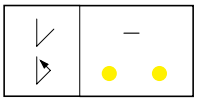
Notes

1) Example: **M22-WRK3-***
└ 1 = 60° 40°
2 = 40° 60°

RMQ Titan

NEMA/UL 12, 13, 4X / IEC IP 66 / CE

Key-operated Selector Switches, Individual Lock Mechanisms

	Function			Key withdrawable in position			Front ring titanium **Type** Article no.	Front ring black **Type** Article no.	**Price** See Price List
	= Maintained = Spring-return								
Key-operated selector switches Individual lock mechanisms, not suitable for master key systems, with one key Maintained/spring-return function and key withdrawable position can be changed using M22-XC-... coding adapters									
2 position									
MS1 lock mechanism		40°			0		**M22-WS** 216881	**M22S-WS** 216882	
		60°			0	I	**M22-WRS** 216887	**M22S-WRS** 216889	
MS2 – 20 lock mechanisms[1] Insert lock mechanism number into the type reference		40°			0		**M22-WS-MS*** 216883	**M22S-WS-MS*** 216884	
		60°			0	I	**M22-WRS-MS*** 216890	**M22S-WRS-MS*** 216891	
MS1 – 20 lock mechanisms		50°			0		**M22-WRS-MS*-A1** 217440	**M22S-WRS-MS*-A1** 217441	
Key for MS1 individual lock mechanism							**M22-ES-MS1** 216416	**M22-ES-MS1** 216416	
Key for MS2 – 20 individual lock mechanisms							**M22-ES-MS*** 216417	**M22-ES-MS*** 216417	
3 position									
MS1 lock mechanism	40°		40°		0		**M22-WS3** 216894	**M22S-WS3** 216895	
	60°		60°	I	0	II	**M22-WRS3** 216900	**M22S-WRS3** 216901	
	[2]						**M22-WRS3-MS*-A*** 217442	**M22S-WRS3-MS*-A*** 217443	
MS2 – 20 lock mechanisms Please include lock mechanism number in the type reference	40°		40°		0		**M22-WS3-MS*** 216896	**M22S-WS3-MS*** 216897	
	60°		60°	I	0	II	**M22-WRS3-MS*** 216903	**M22S-WRS3-MS*** 216904	
Key for MS1 individual lock mechanism							**M22-ES-MS1** 216416	**M22-ES-MS1** 216416	
Key for MS2 – 20 individual lock mechanisms							**M22-ES-MS*** 216417	**M22-ES-MS*** 216417	
Set of coding adapters For converting between the maintained/spring-return function and key withdrawable position									
Color: red and green							**M22-XC-R** 216406	**M22-XC-R** 216406	
Color: yellow							**M22-XC-Y** 216407	**M22-XC-Y** 216407	

Notes

[1] MS2-20: extended delivery time, please inquire

[2] Example: **M22(S)-WRS3-MS*-A***

- 1 – 20 (No. of individual lock mechanisms)

	Function	Key can be withdrawn in switching position
A1		0
A2		I 0
A3		0 II
A4		I 0
A5		0
A6		0 II
A7		0

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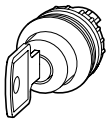
Key-operated Selector Switches for Master Key Systems

NEMA/UL 12, 13, 4X / IEC IP 66 / CE

	Function = Maintained = Spring-return	Key withdrawable in position	**Front ring titanium** **Type** Article no.	**Front ring black** **Type** Article no.	**Price** See Price List
Key-operated selector switches [1] Cannot be fitted with coding adapters					
2 position With two keys[2]	40°	0	**M22-WS-SA(*)-*** 216885	**M22S-WS-SA(*)-*** 216886	
	60°	0	**M22-WRS-SA(*)-*** 216892	**M22S-WRS-SA(*)-*** 216893	
3 position With two keys[2]	40° 40°	0	**M22-WS3-SA(*)-*** 216898	**M22S-WS3-SA(*)-*** 216899	
	60° 60°	0	**M22-WRS3-SA(*)-*** 216905	**M22S-WRS3-SA(*)-*** 216906	
Standard key 			**M22-ES-SA(*)-*** 217444	**M22-ES-SA(*)-*** 217444	

Notes

[1] Master key systems: for delivery please inquire

[2] Example: M22-WS-SA(*)-*
- Level, e.g. 2/3.3.1
  - Standard key
  - Group key
  - Master key
  - 0 = General master key
- For new orders = new
  For repeat orders = master key system number according to security certificate

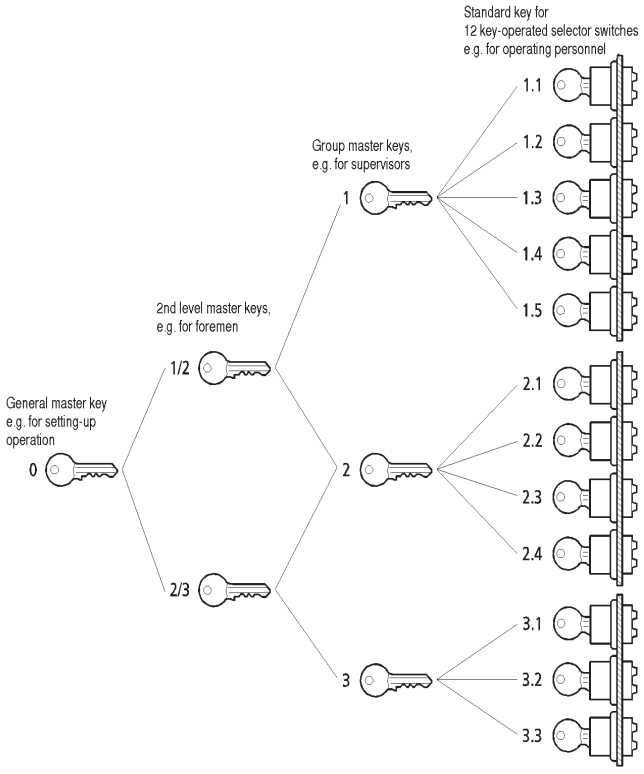
Master key systems

- 8000 different lock mechanisms
- Security certificate prevents unauthorized purchase of keys; please submit for repeat orders
- Special key profile provided only by the manufacturer
- Moeller master key systems cannot be combined with domestic locks

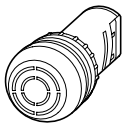
Lock plan

Example of a general master key system (GHS):

The system consists of 12 individual locks and the associated 12 different keys.
At the first level, the locks are combined to form 3 groups.
For each of the 3 groups, there is one group key which can open all the locks in its group.
At the 2nd level, the 3 groups are combined to form 2 main groups, i.e. the 2nd level master keys can open all the locks from several groups. The general master key covers the 2 main groups and can thus open all 12 locks of the master key system.



RMQ Titan
Indicating Light Lens Assemblies

	Operator lens	Color	Type Article no.	Price See Price List
Indicating light lens assemblies, IP67, 69K				
Flush	○	white	**M22-L-W** 216771	
	●	red	**M22-L-R** 216772	
	●	green	**M22-L-G** 216773	
	●	yellow	**M22-L-Y** 216774	
	●	blue	**M22-L-B** 216775	
	Without lens		**M22-L-X** 216776	
Extended, conical	○	white	**M22-LH-W** 216778	
	●	red	**M22-LH-R** 216779	
	●	green	**M22-LH-G** 216780	
	●	yellow	**M22-LH-Y** 216781	
	●	blue	**M22-LH-B** 216782	
Acoustic indicator housing IP40 [1]				
Black front 			**M22-AMC** 229015	
Buzzer - for use with M22-AMC 18 - 30 V AC/DC 83 dB / 10 cm, 100 % DF Positive pole connected to X1				
	Continuous tone		**M22-XAM** 229025	
	Pulsed tone		**M22-XAMP** 229028	

Notes:

[1] NEMA/UL Type 1

RMQ Titan
Illuminated Pushbutton Operators

NEMA/UL/CSA 12, 13, 3R, 4X / CE

	Operator lens	Color/symbol	Front ring titanium **Type** Article no.	Front ring black **Type** Article no.	**Price** See Price List
Illuminated pushbutton operators, IP67, 69K					
Flush, spring-return	○	white	**M22-DL-W** 216922	**M22S-DL-W** 216924	
	●	red	**M22-DL-R** 216925	**M22S-DL-R** 216926	
	●	green	**M22-DL-G** 216927	**M22S-DL-G** 216928	
	●	yellow	**M22-DL-Y** 216929	**M22S-DL-Y** 216930	
	●	blue	**M22-DL-B** 216931	**M22S-DL-B** 216932	
	Without		**M22-DL-X** 216933	**M22S-DL-X** 216935	
	STOP	red/STOP	**M22-DL-R-GB0** 109546	**M22S-DL-R-GB0** 109547	
		green/START	**M22-DL-G-GB1** 109548	**M22S-DL-G-GB1** 109549	
	STOP	white/STOP	**M22-DL-W-GB0** 109550	**M22S-DL-W-GB0** 109551	
	START	white/START	**M22-DL-W-GB1** 109552	**M22S-DL-W-GB1** 109553	
Flush, maintained Programmable maintained/spring-return function	○	white	**M22-DRL-W** 216944	**M22S-DRL-W** 216945	
	●	red	**M22-DRL-R** 216946	**M22S-DRL-R** 216947	
	●	green	**M22-DRL-G** 216948	**M22S-DRL-G** 216949	
	●	yellow	**M22-DRL-Y** 216950	**M22S-DRL-Y** 216951	
	●	blue	**M22-DRL-B** 216952	**M22S-DRL-B** 216953	
	Without		**M22-DRL-X** 216954	**M22S-DRL-X** 216956	
	STOP	red/STOP	**M22-DRL-R-GB0** 109554	**M22S-DRL-R-GB0** 109555	
		green/START	**M22-DRL-G-GB1** 109556	**M22S-DRL-G-GB1** 109557	
	STOP	white/STOP	**M22-DRL-W-GB0** 109558	**M22S-DRL-W-GB0** 109559	
	START	white/START	**M22-DRL-W-GB1** 109560	**M22S-DRL-W-GB1** 109561	

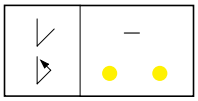
RMQ Titan
Illuminated Pushbutton Operators

NEMA/UL/CSA 12, 13, 3R, 4X / CE

	Operator lens	Color/symbol	Front ring titanium **Type** Article no.	Front ring black **Type** Article no.	**Price** See Price List
Illuminated pushbutton operators, IP67, 69K					
Extended, spring-return		white	**M22-DLH-W** 216965	**M22S-DLH-W** 216966	
		red	**M22-DLH-R** 216967	**M22S-DLH-R** 216968	
		green	**M22-DLH-G** 216969	**M22S-DLH-G** 216970	
		yellow	**M22-DLH-Y** 216971	**M22S-DLH-Y** 216972	
		blue	**M22-DLH-B** 216973	**M22S-DLH-B** 216974	
	Without		**M22-DL-X** 216933	**M22S-DL-X** 216935	
	STOP	red/STOP	**M22-DLH-R-GB0** 109562	**M22S-DLH-R-GB0** 109563	
	START	green/START	**M22-DLH-G-GB1** 109564	**M22S-DLH-G-GB1** 109565	
	STOP	white/STOP	**M22-DLH-W-GB0** 109566	**M22S-DLH-W-GB0** 109567	
	START	white/START	**M22-DLH-W-GB1** 109568	**M22S-DLH-W-GB1** 109569	
Extended, mantained Programmable maintained/spring-return function		white	**M22-DRLH-W** 216788	**M22S-DRLH-W** 216791	
		red	**M22-DRLH-R** 216789	**M22S-DRLH-R** 216792	
		green	**M22-DRLH-G** 216796	**M22S-DRLH-G** 216798	
		yellow	**M22-DRLH-Y** 216799	**M22S-DRLH-Y** 216801	
		blue	**M22-DRLH-B** 216802	**M22S-DRLH-B** 216803	
	Without		**M22-DRL-X** 216954	**M22S-DRL-X** 216956	
	STOP	red/STOP	**M22-DRLH-R-GB0** 109570	**M22S-DRLH-R-GB0** 109571	
	START	green/START	**M22-DRLH-G-GB1** 109572	**M22S-DRLH-G-GB1** 109573	
	STOP	white/STOP	**M22-DRLH-W-GB0** 109574	**M22S-DRLH-W-GB0** 109575	
	START	white/START	**M22-DRLH-W-GB1** 109576	**M22S-DRLH-W-GB1** 109577	

RMQ Titan
Illuminated Selector Switch Operators

NEMA/UL/CSA 12, 13, 4X / IEC IP 66 / CE

	Function = Maintained = Spring-return		Thumb-grip color	Front ring titanium **Type** Article no.	Front ring black **Type** Article no.	**Price** See Price List
Illuminated selector switch operators, thumb-grip Two positions						
Spring-return		40°	white	**M22-WLK-W** 216812	**M22S-WLK-W** 216813	
		40°	red	**M22-WLK-R** 216814	**M22S-WLK-R** 216815	
		40°	green	**M22-WLK-G** 216816	**M22S-WLK-G** 216817	
		40°	yellow	**M22-WLK-Y** 216818	**M22S-WLK-Y** 216819	
		40°	blue	**M22-WLK-B** 216820	**M22S-WLK-B** 216821	
Maintained		60°	white	**M22-WRLK-W** 216823	**M22S-WRLK-W** 216824	
		60°	red	**M22-WRLK-R** 216825	**M22S-WRLK-R** 216826	
		60°	green	**M22-WRLK-G** 216827	**M22S-WRLK-G** 216828	
		60°	yellow	**M22-WRLK-Y** 216829	**M22S-WRLK-Y** 216830	
		60°	blue	**M22-WRLK-B** 216831	**M22S-WRLK-B** 216832	
Three positions						
Spring-return	40°	40°	white	**M22-WLK3-W** 216833	**M22S-WLK3-W** 216834	
	40°	40°	red	**M22-WLK3-R** 216835	**M22S-WLK3-R** 216836	
	40°	40°	green	**M22-WLK3-G** 216837	**M22S-WLK3-G** 216838	
	40°	40°	yellow	**M22-WLK3-Y** 216839	**M22S-WLK3-Y** 216840	
	40°	40°	blue	**M22-WLK3-B** 216841	**M22S-WLK3-B** 216842	
Maintained	60°	60°	white	**M22-WRLK3-W** 216843	**M22S-WRLK3-W** 216844	
	60°	60°	red	**M22-WRLK3-R** 216845	**M22S-WRLK3-R** 216846	
	60°	60°	green	**M22-WRLK3-G** 216847	**M22S-WRLK3-G** 216848	
	60°	60°	yellow	**M22-WRLK3-Y** 216849	**M22S-WRLK3-Y** 216850	
	60°	60°	blue	**M22-WRLK3-B** 216851	**M22S-WRLK3-B** 216852	
Maitained, spring-return[1]				**M22-WRLK3-*/*** 217438	**M22S-WRLK3-*/*** 217439	
Coding adapters, for all selector switch operators For converting between maintained and spring-return functions Color: yellow						
				**M22-XC-Y** 216407	**M22-XC-Y** 216407	

Notes

[1] Example: **M22-WRLK3-*/***
1 = , 2 =
Color

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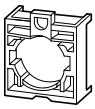
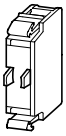
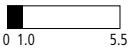
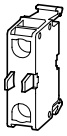
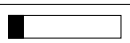
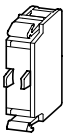
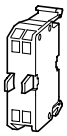
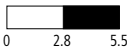
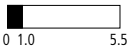
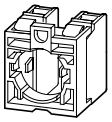
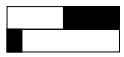
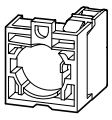
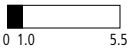
Mounting Adapters, Contact Elements, Contact Blocks

	Contacts[1] N.O. = normally open N.C. = normally closed ⊖ = Positive opening safety function to IEC/EN 60 947-5-1 N.O. N.C.			Configuration[2]	Type Article no.	Price See Price List
Mounting adapter (front mounting) For M22-(C)K... contact elements and M22-(C)LED... LED elements Sequence numbers on mounting adapter						
				1 3 2	**M22-A** 216374	
Contact elements with screw terminals Front mounting						
	1 –			1 3 2	**M22-K10** 216376	
	– 1 ⊖			1 3 2	**M22-K01** 216378	
Base mounting						
	1 –			2 3 1	**M22-KC10** 216380	
	– 1 ⊖			2 3 1	**M22-KC01** 216382	
Contact elements with Cage Clamp[3] Front mounting						
	1 –			1 3 2	**M22-CK10** 216384	
	– 1 ⊖			1 3 2	**M22-CK01** 216385	
Base mounting						
	1 –			2 3 1	**M22-CKC10** 216386	
	– 1 ⊖			2 3 1	**M22-CKC01** 216387	
Contact blocks Combination of contact elements with screw terminals and mounting adapter Front mounting						
	1 1 ⊖			1 3 2	**M22-AK11** 216505	
	1 –			1 3 2	**M22-AK10** 216504	
	– 1 ⊖			1 3 2	**M22-AK01** 216503	

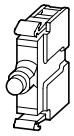
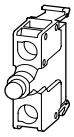
Notes

1) x = Sequence numbers on mounting adapter
y = Function numbers on contact element

2) Configuration of mounting adapter with sequence numbers to EN 50 013

3) Cage Clamp is a registered trademark of Wago Contact Technik GmbH, Minden, Germany

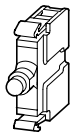
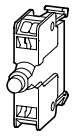
RMQ Titan
LED Elements

	Rated operational voltage	Rated operational current	Service life at T_a = +25 °C	Color	Type Article no.	Price See Price List
LED elements with screw terminals						
Front mounting						
	18 – 30 V AC/DC	8 – 15 mA	100 000 h	white	**M22-LED-W** 216557	
				red	**M22-LED-R** 216558	
				green	**M22-LED-G** 216559	
				blue	**M22-LED-B** 218057	
	85 – 264 V AC	5 – 15 mA, $P_{max.}$ = 0.33 W	100 000 h	white	**M22-LED230-W** 216563	
				red	**M22-LED230-R** 216564	
				green	**M22-LED230-G** 216565	
				blue	**M22-LED230-B** 218059	
Base mounting						
	18 – 30 V AC/DC	8 – 15 mA	100 000 h	white	**M22-LEDC-W** 216560	
				red	**M22-LEDC-R** 216561	
				green	**M22-LEDC-G** 216562	
				blue	**M22-LEDC-B** 218058	
	85 – 264 V AC	5 – 15 mA, $P_{max.}$ = 0.33 W	100 000 h	white	**M22-LEDC230-W** 216566	
				red	**M22-LEDC230-R** 216567	
				green	**M22-LEDC230-G** 216568	
				blue	**M22-LEDC230-B** 218060	

Notes

Color of lens, thumb-grip			**Color of LED**
M22(S)-L(H)-... **M22(S)-D(R)L(H)-...** **M22(S)-W(R)LK-...**	-R	→	-R
	-G	→	-G
	-W	→	-W
	-Y	→	-W
	-B	→	-W, -B

RMQ Titan
LED Elements

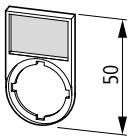
	Rated operational voltage	Rated operational current	Service life at T_a = +25 °C	Color	Type Article no.	Price See Price List
LED elements with Cage Clamp[1]						
Front mounting						
	18 – 30 V AC/DC	8 – 15 mA	100 000 h	white	**M22-CLED-W** 216569	
				red	**M22-CLED-R** 216570	
				green	**M22-CLED-G** 216571	
				blue	**M22-CLED-B** 218061	
	85 – 264 V AC	5 – 15 mA, $P_{max.}$ = 0.33 W	100 000 h	white	**M22-CLED230-W** 216575	
				red	**M22-CLED230-R** 216576	
				green	**M22-CLED230-G** 216577	
				blue	**M22-CLED230-B** 218063	
Base mounting						
	18 – 30 V AC/DC	8 – 15 mA	100 000 h	white	**M22-CLEDC-W** 216572	
				red	**M22-CLEDC-R** 216573	
				green	**M22-CLEDC-G** 216574	
				blue	**M22-CLEDC-B** 218062	
	85 – 264 V AC	5 – 15 mA, $P_{max.}$ = 0.33 W	100 000 h	white	**M22-CLEDC230-W** 216578	
				red	**M22-CLEDC230-R** 216579	
				green	**M22-CLEDC230-G** 216580	
				blue	**M22-CLEDC230-B** 218064	

Notes

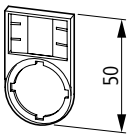
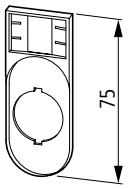
[1] Cage Clamp is a registered trademark of Wago Contact Technik GmbH, Minden, Germany

Color of lens, thumb-grip			**Color of LED**
M22(S)-L(H)-... **M22(S)-D(R)L(H)-...** **M22(S)-W(R)LK-...**	-R	→	-R
	-G	→	-G
	-W	→	-W
	-Y	→	-W
	-B	→	-W, -B

RMQ Titan
Standard Legend Plates, Insert Plates

		Type Article no.	Price See Price List
Standard legend plates 30 × 50 mm, round, black			
0 I		**M22S-ST-X88** 216485	
0 I		**M22S-ST-X89** 218147	
I 0 II		**M22S-ST-X93** 216486	
STOP		**M22S-ST-GB0** 216494	
START		**M22S-ST-GB1** 216495	
OFF		**M22S-ST-GB5** 218300	
ON		**M22S-ST-GB6** 216496	
FAULT		**M22S-ST-GB8** 216498	
RUN		**M22S-ST-GB7** 216497	
HAND AUTO		**M22S-ST-D11** 216492	
MAN. AUTO		**M22S-ST-GB11** 216500	
OFF ON		**M22S-ST-GB10** 216499	
HAND 0 AUTO		**M22S-ST-D12** 216493	
MAN. 0 AUTO		**M22S-ST-GB12** 216501	
Insert plates for legend plates, 18 × 27 mm			
☐	Aluminium, blank	**M22-XST** 216480	
	With customized inscription Extra for quantities of ≦ 10	**M22-XST-*** 216482	

Letter height	Number of lines	Characters per line
3 mm	max. 3	max. 12
5 mm	max. 2	max. 8

Legend plates, without insert plate Round, black, 30 mm wide			
	●	**M22S-ST-X** 216392	
For double operators 	●	**M22S-STDD-X** 216394	

RMQ Titan
Button Plates

Inscription	For use with	Color	Style: flush Type Article no.	Price See Price List	Style: extended Type Article no.	Price See Price List
Button plates for pushbutton operators						
	M22(S)-D-X M22(S)-DR-X M22(S)-DG-X	black	**M22-XD-S** 216421		**M22-XDH-S** 216428	
		white	**M22-XD-W** 216422		**M22-XDH-W** 216429	
		red	**M22-XD-R** 216423		**M22-XDH-R** 216430	
		green	**M22-XD-G** 216424		**M22-XDH-G** 216431	
		yellow	**M22-XD-Y** 216425		**M22-XDH-Y** 216432	
		blue	**M22-XD-B** 216426		**M22-XDH-B** 216433	
		With customized inscription[1)]	**M22-XD-*-*** 216427		**M22-XDH-*-*** 216434	
STOP	M22(S)-D-X M22(S)-DR-X M22(S)-DG-X	red	**M22-XD-R-GB0** 218194		**M22-XDH-R-GB0** 218239	
		black	**M22-XD-S-GB0** 218195		**M22-XDH-S-GB0** 218240	
START		green	**M22-XD-G-GB1** 218196		**M22-XDH-G-GB1** 218241	
		white	**M22-XD-W-GB1** 218197		**M22-XDH-W-GB1** 218242	
CLOSE		black	**M22-XD-S-GB2** 218198		**M22-XDH-S-GB2** 218243	
UP		black	**M22-XD-S-GB3** 218199		**M22-XDH-S-GB3** 218244	
DOWN		black	**M22-XD-S-GB4** 218200		**M22-XDH-S-GB4** 218245	
OFF		red	**M22-XD-R-GB5** 218202		**M22-XDH-R-GB5** 218247	
ON		black	**M22-XD-S-GB6** 218203		**M22-XDH-S-GB6** 218248	
TEST		black	**M22-XD-S-GB9** 218201		**M22-XDH-S-GB9** 218246	
RESET		blue	**M22-XD-B-GB14** 218204		**M22-XDH-B-GB14** 218249	
FORWARD		black	**M22-XD-S-GB15** 218205		**M22-XDH-S-GB15** 218250	
REVERSE		black	**M22-XD-S-GB16** 218206		**M22-XDH-S-GB16** 218251	
RAISE		black	**M22-XD-S-GB17** 218208		**M22-XDH-S-GB17** 218252	
LOWER		black	**M22-XD-S-GB18** 218209		**M22-XDH-S-GB18** 218253	

RMQ Titan
Button Plates

	For use with	Symbol/color	Style: flush Type Article no.	Price See Price List	Style: extended Type Article no.	Price See Price List
Button plates for pushbutton operators						
STOP	M22(S)-D-X M22(S)-DR-X M22(S)-DG-X	red	**M22-XD-R-X0** 218153		**M22-XDH-R-X0** 218155	
		black	**M22-XD-S-X0** 218154		**M22-XDH-S-X0** 218156	
START		green	**M22-XD-G-X1** 218165		**M22-XDH-G-X1** 218210	
		black	**M22-XD-S-X1** 218166		**M22-XDH-S-X1** 218211	
		white	**M22-XD-W-X1** 218167		**M22-XDH-W-X1** 218212	
		green	**M22-XD-G-X2** 218168		**M22-XDH-G-X2** 218213	
		black	**M22-XD-S-X2** 218169		**M22-XDH-S-X2** 218214	
Increase		black	**M22-XD-S-X4** 218170		**M22-XDH-S-X4** 218215	
Decrease		black	**M22-XD-S-X5** 218171		**M22-XDH-S-X5** 218216	
Reset		blue	**M22-XD-B-X6** 218172		**M22-XDH-B-X6** 218217	
Directions of movement		black	**M22-XD-S-X7** 218173		**M22-XDH-S-X7** 218218	
		black	**M22-XD-S-X8** 218174		**M22-XDH-S-X8** 218219	
Hand		black	**M22-XD-S-X9** 218175		**M22-XDH-S-X9** 218220	
Automatic		black	**M22-XD-S-X10** 218176		**M22-XDH-S-X10** 218221	
Inch		black	**M22-XD-S-X11** 218177		**M22-XDH-S-X11** 218222	
Unlock		black	**M22-XD-S-X12** 218178		**M22-XDH-S-X12** 218223	
Unclamp		black	**M22-XD-S-X13** 218179		**M22-XDH-S-X13** 218224	
Clamp		black	**M22-XD-S-X14** 218180		**M22-XDH-S-X14** 218225	
Release		black	**M22-XD-S-X15** 218181		**M22-XDH-S-X15** 218226	
Liquid		black	**M22-XD-S-X16** 218182		**M22-XDH-S-X16** 218227	
Horn		black	**M22-XD-S-X17** 218183		**M22-XDH-S-X17** 218228	

Notes

[1] Example: **M22-X...-*-***

- Symbol (new or from library, e.g. **GB12**)
- Color: e.g. **-R, -G, -B, -W, -Y**

Letter height 3 mm: max. 8 characters in 1st line, 10 characters in 2nd line, 8 characters in 3rd line
Letter height 5 mm: max. 5 characters per line
Extra for quantities of ≦ 9 + 50 %

RMQ Titan
Button Plates

Inscription	For use with	Color	Type Article no.	Price See Price List
Button plates for mushroom-head pushbutton operators				
	M22(S)-DP(R)-...	black	**M22-XDP-S** 216435	
		white	**M22-XDP-W** 216436	
		red	**M22-XDP-R** 216437	
		green	**M22-XDP-G** 216438	
		yellow	**M22-XDP-Y** 216439	
		With customized inscription[1)]	**M22-XDP-*-*** 216440	
STOP	M22(S)-DP(R)-...	red	**M22-XDP-R-GB0** 218281	
		black	**M22-XDP-S-GB0** 218282	
START		green	**M22-XDP-G-GB1** 218283	
		white	**M22-XDP-W-GB1** 218284	
CLOSE		black	**M22-XDP-S-GB2** 218285	
UP		black	**M22-XDP-S-GB3** 218286	
DOWN		black	**M22-XDP-S-GB4** 218287	
OFF		red	**M22-XDP-R-GB5** 218289	
ON		black	**M22-XDP-S-GB6** 218290	
TEST		black	**M22-XDP-S-GB9** 218288	
FORWARD		black	**M22-XDP-S-GB15** 218291	
REVERSE		black	**M22-XDP-S-GB16** 218292	
RAISE		black	**M22-XDP-S-GB17** 218293	
LOWER		black	**M22-XDP-S-GB18** 218294	

Notes

1) Example: **M22-X...-*-***

- Symbol (new or from library, e.g. **GB12**)
- Color: e.g. **-R, -G, -B, -W, -Y**

Letter height 3 mm: max. 8 characters in 1st line, 10 characters in 2nd line, 8 characters in 3rd line
Letter height 5 mm: max. 5 characters per line
Extra for quantities of ≦ 9 + 50 %

RMQ Titan
Button Plates

	For use with	Symbol/color	Type Article no.	Price See Price List
Button plates for mushroom head pushbutton operators				
STOP	M22(S)-DP(R)-...	red	**M22-XDP-R-X0** 218157	
		black	**M22-XDP-S-X0** 218158	
START		green	**M22-XDP-G-X1** 218254	
		black	**M22-XDP-S-X1** 218255	
		white	**M22-XDP-W-X1** 218256	
		green	**M22-XDP-G-X2** 218257	
		black	**M22-XDP-S-X2** 218258	
Increase		black	**M22-XDP-S-X4** 218259	
Decrease		black	**M22-XDP-S-X5** 218260	
Directions of movement		black	**M22-XDP-S-X7** 218261	
		black	**M22-XDP-S-X8** 218262	
Hand		black	**M22-XDP-S-X9** 218263	
Automatic		black	**M22-XDP-S-X10** 218264	
Inch		black	**M22-XDP-S-X11** 218265	
Unlock		black	**M22-XDP-S-X12** 218266	
Unclamp		black	**M22-XDP-S-X13** 218267	
Clamp		black	**M22-XDP-S-X14** 218268	
Release		black	**M22-XDP-S-X15** 218269	
Liquid		black	**M22-XDP-S-X16** 218270	
Horn		black	**M22-XDP-S-X17** 218271	

RMQ Titan
Indicating Light Lenses

Inscription	For use with	Color	Style: flush Type Article no.	Price See Price List	Style: extended Type Article no.	Price See Price List
Lenses for indicating lights						
	M22-L-X M22-LC-X	white	**M22-XL-W** 216453		**M22-XLH-W** 216459	
		red	**M22-XL-R** 216454		**M22-XLH-R** 216460	
		green	**M22-XL-G** 216455		**M22-XLH-G** 216461	
		yellow	**M22-XL-Y** 216456		**M22-XLH-Y** 216462	
		blue	**M22-XL-B** 216457		**M22-XLH-B** 216463	
		With customized inscription[1)]	**M22-XL-*-*** 216458		–	
STOP	M22-L-X M22-LC-X	red	**M22-XL-R-GB0** 218412		–	
		white	**M22-XL-W-GB0** 218413		–	
START		green	**M22-XL-G-GB1** 218414		–	
		white	**M22-XL-W-GB1** 218415		–	
CLOSE		white	**M22-XL-W-GB2** 218416		–	
UP		white	**M22-XL-W-GB3** 218417		–	
DOWN		white	**M22-XL-W-GB4** 218418		–	
OFF		red	**M22-XL-R-GB5** 218420		–	
ON		white	**M22-XL-W-GB6** 218421		–	
TEST		white	**M22-XL-W-GB9** 218419		–	
FORWARD		white	**M22-XL-W-GB15** 218422		–	
REVERSE		white	**M22-XL-W-GB16** 218423		–	
RAISE		white	**M22-XL-W-GB17** 218424		–	
LOWER		white	**M22-XL-W-GB18** 218425		–	

Notes

1) Example: **M22-X...-*-***

- Symbol (new or from library, e.g. **GB12**)
- Color: e.g. **-R, -G, -B, -W, -Y**

Letter height 3 mm: max. 8 characters in 1st line, 10 characters in 2nd line, 8 characters in 3rd line
Letter height 5 mm: max. 5 characters per line
Extra for quantities of ≦ 9 + 50 %

RMQ Titan
Indicating Light Lenses

	For use with	Symbol/color	Style: flush Type Article no.	Price See Price List
Lenses for indicating lights				
STOP	M22-L-X M22-LC-X	red	**M22-XL-R-X0** 218163	
		white	**M22-XL-W-X0** 218164	
START		green	**M22-XL-G-X1** 218384	
		white	**M22-XL-W-X1** 218385	
		green	**M22-XL-G-X2** 218386	
		white	**M22-XL-W-X2** 218387	
Increase		white	**M22-XL-W-X4** 218388	
Decrease		white	**M22-XL-W-X5** 218389	
Directions of movement		white	**M22-XL-W-X7** 218390	
		white	**M22-XL-W-X8** 218391	
Hand		white	**M22-XL-W-X9** 218392	
Automatic		white	**M22-XL-W-X10** 218393	
Inch		white	**M22-XL-W-X11** 218394	
Unlock		white	**M22-XL-W-X12** 218395	
Unclamp		white	**M22-XL-W-X13** 218396	
Clamp		white	**M22-XL-W-X14** 218399	
Release		white	**M22-XL-W-X15** 218400	
Liquid		white	**M22-XL-W-X16** 218401	
Horn		white	**M22-XL-W-X17** 218402	

RMQ Titan
Illuminated Pushbutton Lenses

Inscription	For use with	Color	Style: flush Type Article no.	Price See Price List	Style: extended Type Article no.	Price See Price List
Button lenses for illuminated pushbutton operators						
	M22(S)-DL-X M22(S)-DRL-X	white	**M22-XDL-W** 216441		**M22-XDLH-W** 216447	
		red	**M22-XDL-R** 216442		**M22-XDLH-R** 216448	
		green	**M22-XDL-G** 216443		**M22-XDLH-G** 216449	
		yellow	**M22-XDL-Y** 216444		**M22-XDLH-Y** 216450	
		blue	**M22-XDL-B** 216445		**M22-XDLH-B** 216451	
		With customized inscription[1)]	**M22-XDL-*-*** 216446		**M22-XDLH-*-*** 216452	
STOP		red	**M22-XDL-R-GB0** 218326		**M22-XDLH-R-GB0** 218369	
		white	**M22-XDL-W-GB0** 218327		**M22-XDLH-W-GB0** 218370	
START		green	**M22-XDL-G-GB1** 218328		**M22-XDLH-G-GB1** 218371	
		white	**M22-XDL-W-GB1** 218329		**M22-XDLH-W-GB1** 218372	
CLOSE		white	**M22-XDL-W-GB2** 218330		**M22-XDLH-W-GB2** 218373	
UP		white	**M22-XDL-W-GB3** 218331		**M22-XDLH-W-GB3** 218374	
DOWN		white	**M22-XDL-W-GB4** 218332		**M22-XDLH-W-GB4** 218375	
OFF		red	**M22-XDL-R-GB5** 218334		**M22-XDLH-R-GB5** 218377	
ON		white	**M22-XDL-W-GB6** 218335		**M22-XDLH-W-GB6** 218378	
TEST		white	**M22-XDL-W-GB9** 218333		**M22-XDLH-W-GB9** 218376	
RESET		blue	**M22-XDL-B-GB14** 218336		**M22-XDLH-B-GB14** 218379	
FORWARD		white	**M22-XDL-W-GB15** 218337		**M22-XDLH-W-GB15** 218380	
REVERSE		white	**M22-XDL-W-GB16** 218338		**M22-XDLH-W-GB16** 218381	
RAISE		white	**M22-XDL-W-GB17** 218339		**M22-XDLH-W-GB17** 218382	
LOWER		white	**M22-XDL-W-GB18** 218340		**M22-XDLH-W-GB18** 218383	

Notes

1) Example: **M22-X...-*-***

- Symbol (new or from library, e.g. **GB12**)
- Color: e.g. **-R, -G, -B, -W, -Y**

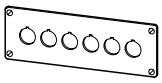
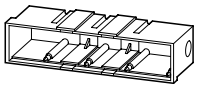
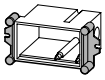
Letter height 3 mm: max. 8 characters in 1st line, 10 characters in 2nd line, 8 characters in 3rd line
Letter height 5 mm: max. 5 characters per line
Extra for quantities of ≦ 9 + 50 %

RMQ Titan
Illuminated Pushbutton Lenses

Inscription	For use with	Symbol/color	Style: flush Type Article no.	Price See Price List	Style: extended Type Article no.	Price See Price List
Button lenses for illuminated pushbutton operators						
STOP	M22(S)-DL-X M22(S)-DRL-X	red	**M22-XDL-R-X0** 218159		**M22-XDLH-R-X0** 218161	
		white	**M22-XDL-W-X0** 218160		**M22-XDLH-W-X0** 218162	
START		green	**M22-XDL-G-X1** 218295		**M22-XDLH-G-X1** 218341	
		white	**M22-XDL-W-X1** 218296		**M22-XDLH-W-X1** 218342	
		green	**M22-XDL-G-X2** 218297		**M22-XDLH-G-X2** 218343	
		white	**M22-XDL-W-X2** 218301		**M22-XDLH-W-X2** 218344	
Increase		white	**M22-XDL-W-X4** 218302		**M22-XDLH-W-X4** 218345	
Decrease		white	**M22-XDL-W-X5** 218303		**M22-XDLH-W-X5** 218346	
Reset		blue	**M22-XDL-B-X6** 218304		**M22-XDLH-B-X6** 218347	
Directions of movement		white	**M22-XDL-W-X7** 218305		**M22-XDLH-W-X7** 218348	
		white	**M22-XDL-W-X8** 218306		**M22-XDLH-W-X8** 218349	
Hand		white	**M22-XDL-W-X9** 218307		**M22-XDLH-W-X9** 218350	
Automatic		white	**M22-XDL-W-X10** 218308		**M22-XDLH-W-X10** 218351	
Inch		white	**M22-XDL-W-X11** 218309		**M22-XDLH-W-X11** 218352	
Unlock		white	**M22-XDL-W-X12** 218310		**M22-XDLH-W-X12** 218353	
Unclamp		white	**M22-XDL-W-X13** 218311		**M22-XDLH-W-X13** 218354	
Clamp		white	**M22-XDL-W-X14** 218312		**M22-XDLH-W-X14** 218355	
Release		white	**M22-XDL-W-X15** 218313		**M22-XDLH-W-X15** 218356	
Liquid		white	**M22-XDL-W-X16** 218314		**M22-XDLH-W-X16** 218357	
Horn		white	**M22-XDL-W-X17** 218315		**M22-XDLH-W-X17** 218358	

RMQ Titan

Flush Mounting Plates, Shrouds

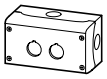
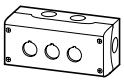
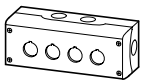
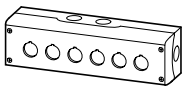
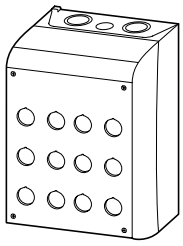
	Degree of protection	Number of locations	Color[1]	Cable entry knockouts Quantity × M20	**Type** Article no.	**Price** See Price List
Flush mounting panels Legend plates cannot be used if push-buttons are mounted in vertical column Undrilled plates are available						
Aluminium with yellow paint finish for Emergency-Stop buttons	IP54	1	yellow	–	**M22-EY1** 216542	
Aluminium, light anodized	IP54	1	gray	–	**M22-E1** 216541	
		2		–	**M22-E2** 216543	
		3		–	**M22-E3** 216544	
		4		–	**M22-E4** 216545	
		5		–	**M22-E5** 216546	
		6		–	**M22-E6** 216547	
Shrouds Plastic, light gray						
	IP55	1	gray	3	**M22-H1** 216548	
		2		4	**M22-H2** 216549	
		3		4	**M22-H3** 216550	
	IP40	4		4	**M22-H4** 216551	
		5		5	**M22-H5** 216552	
		6		6	**M22-H6** 216553	
Set of plaster keys Consists of two plaster keys as an aid to flush mounting of shrouds in plaster						
	–	–	–	–	**M22-UPE** 216554	

Notes

[1] Yellow RAL 1004,
Light gray RAL 7035

RMQ Titan
Surface Mounting Enclosures

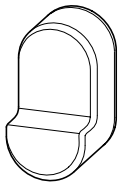
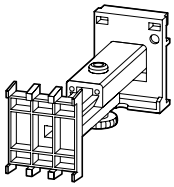
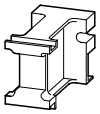
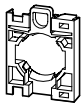
NEMA/UL/CSA 12, 13, 3R, 4X / CE

	Number of locations	Cable entry knockouts			**Type**	**Price**
					Article no.	See Price List
		Bottom	Sides			
		Quantity x M...	Quantity x PG...	Color[1]		
Surface mounting enclosure, IP66 With stainless steel screws						
For Emergency-Stop buttons	1	2 × 16	2 × 16 1 × 13.5	yellow	**M22-IY1-PG** 229234	
	1	2 × 16	2 × 16 1 × 13.5	gray	**M22-I1-PG** 229233	
	2	2 × 16	2 × 16 1 × 13.5	gray	**M22-I2-PG** 229235	
	3	2 × 16	2 × 16 2 × 13.5	gray	**M22-I3-PG** 229236	
	4	2 × 16	2 × 16 2 × 13.5	gray	**M22-I4-PG** 229237	
	6	2 × 16	2 × 16 2 × 13.5	gray	**M22-I6-PG** 229238	
Surface mounting enclosures, IP55						
	12	2 × 32/25	flat sides, no cable entry knockouts	gray	**M22-I12-NA** 109804	

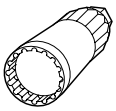
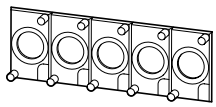
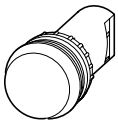
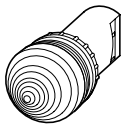
Notes

[1] Colour: yellow RAL 1004, enclosure cover light gray RAL 7035, enclosure base anthracite RAL 9005

RMQ Titan
Accessories

	For use with	Color	Type Article no.	Price See Price List
Hole plugs NEMA/UL 12, 13, 3R, 4X, IP66				
Round style	For blanking off reserve locations	black	**M22S-B** 216390	
		gray	**M22-B** 216388	
Operator diaphragms for IP67 Transparent diaphragms for severe environmental conditions and use in the food industry. Do not use with legend plates since degree of protection is not guaranteed				
	M22(S)-D(R)-... push-button operators M22(S)-DL-..., M22(S)-DRL-... illuminated pushbutton operators M22-L(C)-... flush indicating lights		**M22-T-D** 216395	
	M22(S)-DD(L)-... double pushbutton operators		**M22-T-DD** 216396	
Telescopic clip For adjusting depth of base mounting devices in CI enclosures and panels with a mounting depth of 115 – 155 mm. Stepless adjustment, screw and snap mounting (top-hat rail to EN 50 022). Maximum of 10 × M22-TC per enclosure, 5 of which can have maintained pushbuttons installed. Do not use with Emergency-Stop operators.				
	For 3 contact/LED elements, base mounting, with centering adapter.		**M22-TC** 216398	
Extension				
	For telescopic clip: for mounting depths up to 205 mm		**M22-TCV** 225527	
Centering adapter				
	For use with M22-TC telescopic clip		**M22-ZA** 216399	
Surface mounting adapter				
	For EN 50 022 top-hat rail For screw mounting		**M22-IVS** 216400	
Plunger bridge				
	For middle contact on 3-position selector switch, non-illuminated (1 off), black		**M22-XW** 216405	

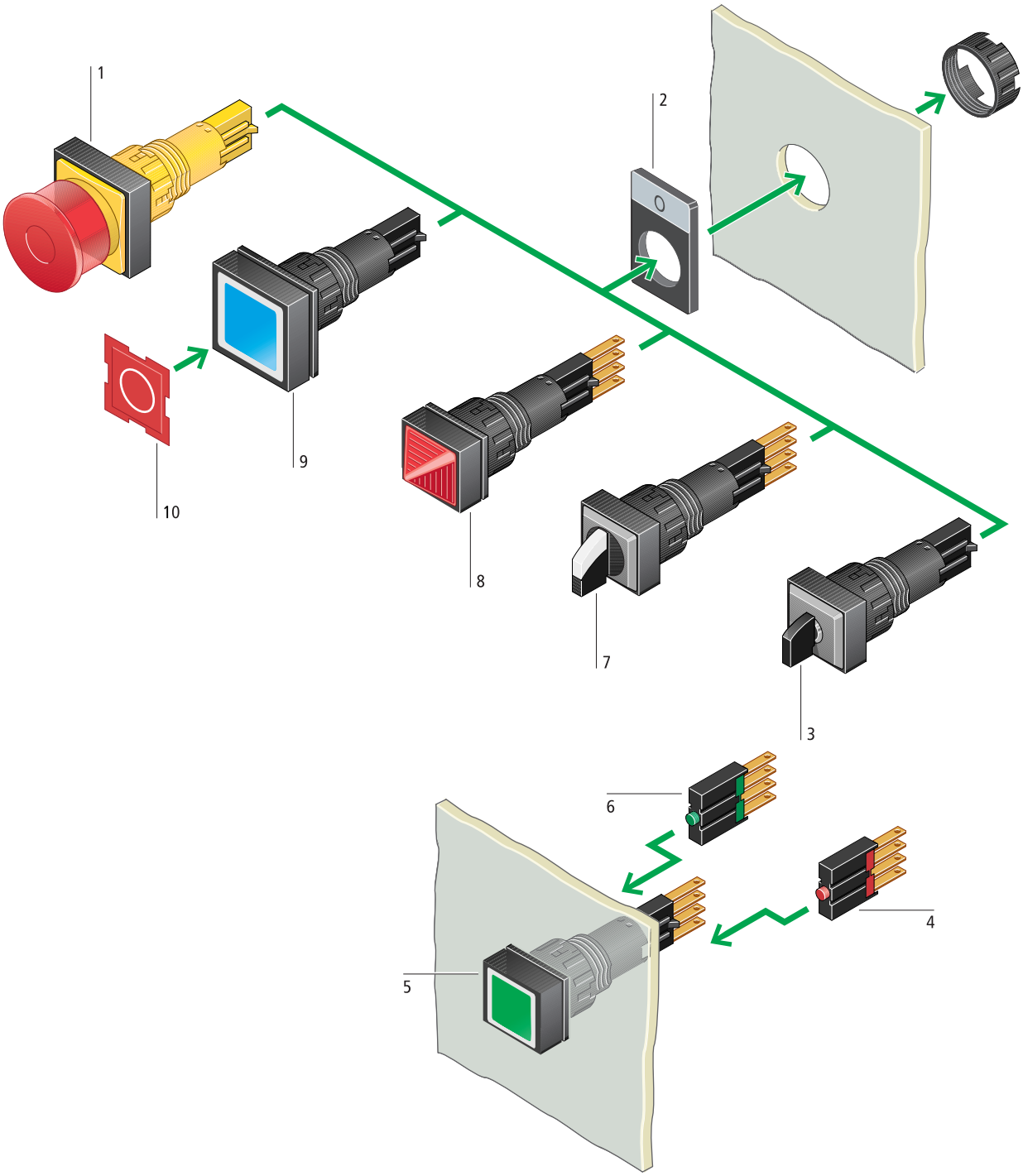
RMQ Titan
Accessories

	For use with	Color	Type Article no.	Price See Price List
Threaded ring M22 × 1.5 mm 			**M22-GR** 216401	
Set of adapter rings 30/22.3 mm Black, consists of adapter ring and lock nut 	For fitting 22.3 mm diameter buttons into 30.5 mm diameter holes	black	**M22S-R30** 216408	
Assembly tool 	For threaded ring	–	**M22-MS** 216402	
Mounting plate 	For mounting shrouds (M22-H...) to the M22-E.. flush mounting panel for 5 locations	black	**M22-XE5** 218945	
Indicating lights, compact, IP67, 69K				
Flush, with BA 9s lamp socket 		white	**M22-LC-W** 216907	
		red	**M22-LC-R** 216908	
		green	**M22-LC-G** 216909	
		yellow	**M22-LC-Y** 216910	
		blue	**M22-LC-B** 216911	
		Without lens	**M22-LC-X** 216912	
Extended, with BA 9s lamp socket 		white	**M22-LCH-W** 216914	
		red	**M22-LCH-R** 216915	
		green	**M22-LCH-G** 216916	
		yellow	**M22-LCH-Y** 216917	
		blue	**M22-LCH-B** 216918	
Bulb extractor 	For M22-LC(H)... For Compact indicator lights	–	**M22-LG** 216403	

RMQ Titan
Accessories

	Service life to EN 60 064 t_{mean} (AC) at T_a = +25 °C	Color	Type Article no.	Price See Price List
Blade terminal to DIN 46 244 1 × 6.3 × 0.8/2 × 2.8 × 0.8 mm				
 For contact and lamp socket elements Use insulated ferrules to DIN 46 245.			**BT483** 059904	
BA 9s filament bulbs for compact indicating lights Maximum length 28 mm, diameter 10 mm Made from selected, high-quality components				
 110 – 130 V/2.4 W	2000 h		**GL130** 074200	
6 V/2.0 W	5000 h		**GL6** 078946	
12 V/2.0 W	5000 h		**GL12** 071827	
24 V/2.0 W	5000 h		**GL24** 062570	
48 V/2.0 W	5000 h		**GL48** 076573	
60 V/2.0 W	5000 h		**GL60** 081319	
24 V/1.2 W	5000 h		**GL24-1.2** 045097	
BA 9s neon bulbs for compact indicating lights Maximum length 28 mm, diameter 10 mm				
110 – 130 V AC/0.1 W	20000 h		**GIL110K** 055211	
220 – 240 V AC/0.33 W	20000 h		**GIL220K** 057584	
BA 9s single-chip LEDs for compact indicating lights For AC and DC (positive pole connected to X1), protected against polarity reversal Built-in suppressor circuit up to 1500 V				
 18 – 30 V AC/DC/15 mA	100000 h	white	**LED-W** 203962	
18 – 30 V AC/DC/15 mA	100000 h	red	**LED-R** 203960	
18 – 30 V AC/DC/15 mA	100000 h	green	**LED-G** 203959	
18 – 30 V AC/DC/15 mA	100000 h	yellow	**LED-Y** 203963	
18 – 30 V AC/DC/15 mA	100000 h	blue	**LED-B** 203961	
BA 9s flashing LEDs for Compact indicator lights For DC (positive pole connected to X1), protected against polarity reversal LED flash rate ≈ 1.1 Hz, Built-in suppressor circuit up to 1500 V				
24 V DC/0.5 W	20000 h (DC)	yellow	**LED-GE24B** 013195	
24 V DC/0.5 W	20000 h (DC)	green	**LED-GN24B** 015568	
24 V DC/0.5 W	20000 h (DC)	red	**LED-RT24B** 017941	

RMQ16
System Overview



RMQ16
System Overview

Emergency-Stop pushbuttons 1
Tamper proof to ISO 13 850/EN 418

Illuminated and non-illuminated
Additional plates with and without text

→ Page 05//053

Legend plates 2
For insert plates
Color: light gray, black, yellow
Insert plates with and without text

→ Page 05/058

Key-operated selector switches 3
Two or three positions
Switching angle 45°
Spring-return and maintained
Various lock mechanisms

→ Page 05/048

N.C. contact element (red) 4
With blade terminal
Universal contacts suitable for use with electronic devices
Positive opening safety function to IEC/EN 60 947-5 -1

→ Page 05//046

Illuminated pushbutton operators 5
Momentary and maintained
Interchangeable insert plates
Colors: white, green, red, yellow, blue

→ Page 05/047

N.O. element (green) 6
With blade terminal
Universal contacts suitable for use with electronic devices

→ Page 05/046

Selector switch operators 7
Two or three position
Switching angle 45°
Spring-return and maintained
Illuminated selector switch operators with integral lamp socket
Colors: white, green, red

→ Page 05/048

Indicating lights 8
Flush and conical versions
Integral lamp socket
For filament bulbs and LEDs
Colors: white, green, red, yellow, blue

→ Page 05/052

Pushbuttons 9
Momentary and maintained
Interchangeable button plates
Colors: white, green, red, yellow, blue, black

→ Page 05/046

Button plates/insert plates 10
Abrasion-proof button plates for push-button operators
Transparent insert plates for illuminated push-button operators and indicating lights
With and without text
With standard texts and symbols

→ Page 05/054

Product features

- Front dimension and minimum grid dimensions 18 × 18 mm or 25 × 25 mm
- Mounting diameter 16.2 mm to EN 50 007
- Degree of protection NEMA 13, IP65
- Switching of different potentials
- Can be used with electronic devices to IEC/EN 61 131-2
- Technical data to IEC/EN 60 947-5-1
- Approved throughout the world

RMQ16
Pushbutton Operators, Contact Elements

UL / CSA / IEC / CE

Contacts N.O. = normally open N.C. = normally closed ⊖ = Positive opening safety function to IEC/EN 60 947-5-1 N.O. N.C.	Button plate Symbol/color	Square style Front dimensions: 18 × 18 mm **Type** Article no.	25 × 25 mm **Type** Article no.	**Price** See Price List
Pushbutton operators, NEMA 13, IP65				
Momentary	green START	**Q18D-11** 086332	**Q25D-111** 102422	
	red STOP	**Q18D-10** 086299	**Q25D-110** 102421	
	white START	**Q18D-20** 054041	**Q25D-122** 109344	
	black STOP	**Q18D-19** 054040	**Q25D-112** 109345	
	black	**Q18D-SW** 086788	**Q25D-SW** 087230	
	white	**Q18D-WS** 086752	**Q25D-WS** 086808	
	green	**Q18D-GN** 086450	**Q25D-GN** 086409	
	red	**Q18D-RT** 086713	**Q25D-RT** 086444	
	yellow	**Q18D-GE** 086417	**Q25D-GE** 086343	
	blue	**Q18D-BL** 086384	**Q25D-BL** 086328	
	Without	**Q18D-X** 093623	**Q25D-X** 093624	
Maintained	black	**Q18DR-SW** 086269	**Q25DR-SW** 088739	
	white	**Q18DR-WS** 086243	**Q25DR-WS** 088701	
	green	**Q18DR-GN** 086176	**Q25DR-GN** 088531	
	red	**Q18DR-RT** 086209	**Q25DR-RT** 088627	
	yellow	**Q18DR-GE** 090482	**Q25DR-GE** 088404	
	blue	**Q18DR-BL** 090241	**Q25DR-BL** 088110	
	Without	**Q18DR-X** 093625	**Q25DR-X** 093626	
Contact elements [1] [2] Admissible operational voltage: 5 – 250 V				
1 - (13 / 14) 0 2,2 3,7 mm	green	**E10** 090351	**E10** 090351	
- 1 ⊖ (21 / 22) 0 1 3,7 mm	red	**E01** 090401	**E01** 090401	

Notes

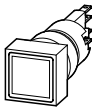
[1] xy / xy — x = Sequence numbers on front element; y = Function numbers on contact element

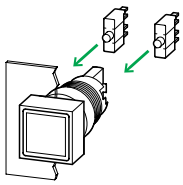
[2] Snaps firmly on the sides of the operator. Blade terminals will accept AMP # 60197-1, 62050-1 or equivalent UL/CSA listed fast-on connectors.

[3] UL listed File No. E 29 184
CSA certified File No. 46 552

RMQ16
Illuminated Pushbutton Operators, Contact Elements

UL / CSA / IEC / CE

	Lens color	Square style Front dimensions: 18 × 18 mm **Type** Article no.	25 × 25 mm **Type** Article no.	**Price** See Price List	**Notes**
Illuminated pushbutton operators, NEMA 13, IP65					
Momentary Without filament bulb	white	**Q18LT-WS** 089202	**Q25LT-WS** 086262		
	green	**Q18LT-GN** 089067	**Q25LT-GN** 086206		
	red	**Q18LT-RT** 089776	**Q25LT-RT** 086238		
	yellow	**Q18LT-GE** 088808	**Q25LT-GE** 086173		
	blue	**Q18LT-BL** 088764	**Q25LT-BL** 090479		
With filament bulb, 24 V	white	**Q18LT-WS/WB** 088561	**Q25LT-WS/WB** 090226		
	green	**Q18LT-GN/WB** 088509	**Q25LT-GN/WB** 089190		
	red	**Q18LT-RT/WB** 088537	**Q25LT-RT/WB** 089998		
	yellow	**Q18LT-GE/WB** 088449	**Q25LT-GE/WB** 089137		
	blue	**Q18LT-BL/WB** 088338	**Q25LT-BL/WB** 089102		
Maintained Without filament bulb	white	**Q18LTR-WS** 088123	**Q25LTR-WS** 087232		
	green	**Q18LTR-GN** 087831	**Q25LTR-GN** 086812		
	red	**Q18LTR-RT** 087918	**Q25LTR-RT** 086840		
	yellow	**Q18LTR-GE** 087764	**Q25LTR-GE** 086784		
	blue	**Q18LTR-BL** 086813	**Q25LTR-BL** 086739		
With filament bulb, 24 V	white	**Q18LTR-WS/WB** 086708	**Q25LTR-WS/WB** 086447		
	green	**Q18LTR-GN/WB** 086413	**Q25LTR-GN/WB** 086380		
	red	**Q18LTR-RT/WB** 086448	**Q25LTR-RT/WB** 086412		
	yellow	**Q18LTR-GE/WB** 086382	**Q25LTR-GE/WB** 086346		
	blue	**Q18LTR-BL/WB** 086348	**Q25LTR-BL/WB** 086330		
Contact elements[1) 2)] Admissible operational voltage: 5 – 250 V					
1 N.O.	green	**E10** 090351	**E10** 090351		
1 N.C.⊖	red	**E01** 090401	**E01** 090401		



Accessories	**Page**
Assembly aids and accessories	05/0...

Notes

1) I^{xy}_{xy} x = Sequence numbers on front element
y = Function numbers on contact element

2) Snaps firmly on the sides of the operator. Blade terminals will accept AMP # 60197-1, 62050-1 or equivalent UL/CSA listed fast-on connectors.

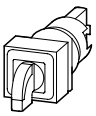
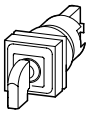
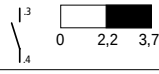
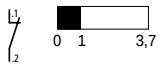
3) UL listed File No. E 29 184
CSA certified File No. 46 552

RMQ16

Selector Switches, Key-operated Selector Switches, Contact Elements

UL / CSA / IEC / CE

Square style
Front dimensions:

Function = Maintained = Momentary	Contacts N.O. = normally open N.C. = normally closed ⊖ = Positive opening safety function to IEC/EN 60 947-5-1 N.O. N.C.	Key removeable in position	Color	18 × 18 mm **Type** Article no.	25 × 25 mm **Type** Article no.	**Price** See Price List
Selector switches, NEMA 13, IP65, 2 positions Includes VS anti-rotation guard ring						
 45°				**Q18WK1** 036515	**Q25WK1** 036599	
45°				**Q18WK1R** 036598	**Q25WK1R** 036600	
Key-operated selector switches, NEMA 13, IP65, 2 positions includes 1 key and VS anti-rotation guard ring						
 45°		0	black	**Q18S1** 038806	**Q25S1** 038773	
45°		0 I	black	**Q18S1R** 038805	**Q25S1R** 038772	
45°		0	black	**Q18S1R-A1** 072312	**Q25S1R-A1** 072376	
Other individual lock mechanisms (each color corresponds to one lock mechanism) 45°		0	green	**Q18S1-GN** 062148	**Q25S1-GN** 062150	
45°		0 I	green	**Q18S1R-GN** 062151	**Q25S1R-GN** 062108	
45°		0	red	**Q18S1-RT** 046841	**Q25S1-RT** 046843	
45°		0 I	red	**Q18S1R-RT** 046837	**Q25S1R-RT** 046839	
45°		0	white	**Q18S1-WS** 046849	**Q25S1-WS** 046851	
45°		0 I	white	**Q18S1R-WS** 046845	**Q25S1R-WS** 046847	
45°		0	blue	**Q18S1-BL** 045959	**Q25S1-BL** 046835	
45°		0 I	blue	**Q18S1R-BL** 062814	**Q25S1R-BL** 045502	
Contact elements[1) 2)] Admissible operational voltage: 5 – 250 V						
1 - 			green	**E10** 090351	**E10** 090351	
- 1 ⊖ 			red	**E01** 090401	**E01** 090401	

Notes

1) xy = x = Sequence numbers on front element; y = Function numbers on contact element

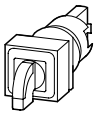
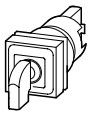
2) Snaps firmly on the sides of the operator. Blade terminals will accept AMP # 60197-1, 62050-1 or equivalent UL/CSA listed fast-on connectors.

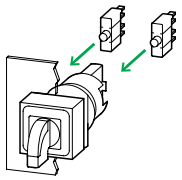
3) UL listed File No. E 29 184
CSA certified File No. 46 552

RMQ16

UL / CSA / IEC / CE

Selector Switches, Key-operated Selector Switches, Contact Elements

Function = Maintained = Momentary			Key removeable in position			Color	Square style Front dimensions: 18 × 18 mm Type Article no.	25 × 25 mm Type Article no.	Price See Price List	Notes
Selector switches, NEMA 13, IP65, 3 positions Includes VS anti-rotation guard ring										
	45°	45°					**Q18WK3** 072308	**Q25WK3** 072372		
	45°	45°					**Q18WK3R** 072309	**Q25WK3R** 072373		
	45°	45°					**Q18WK3R1** 072310	**Q25WK3R1** 072374		
	45°	45°					**Q18WK3R2** 072311	**Q25WK3R2** 072375		
Key-operated selector switches, NEMA 13, IP65, 3 positions Includes VS anti-rotation guard ring										
	45°	45°		0		black	**Q18S3** 072313	**Q25S3** 072377		
	45°	45°	I	0	II	black	**Q18S3R** 072314	**Q25S3R** 072378		
	45°	45°		0		black	**Q18S3R-A1** 072315	**Q25S3R-A1** 072379		
	45°	45°	I	0		black	**Q18S3R-A2** 072316	**Q25S3R-A2** 072380		
	45°	45°		0	II	black	**Q18S3R-A3** 072317	**Q25S3R-A3** 072381		
	45°	45°	I	0		black	**Q18S3R-A4** 072318	**Q25S3R-A4** 072382		
	45°	45°		0		black	**Q18S3R-A5** 072319	**Q25S3R-A5** 072383		
	45°	45°		0	II	black	**Q18S3R-A6** 072320	**Q25S3R-A6** 072384		
	45°	45°		0		black	**Q18S3R-A7** 072321	**Q25S3R-A7** 072385		
Other individual lock mechanisms (each color corresponds to one lock mechanism)	45°	45°		0		green	**Q18S3-GN** 062149	**Q25S3-GN** 062153		
	45°	45°	I	0	II	green	**Q18S3R-GN** 062152	**Q25S3R-GN** 062147		
	45°	45°		0		red	**Q18S3-RT** 046842	**Q25S3-RT** 046844		
	45°	45°	I	0	II	red	**Q18S3R-RT** 046838	**Q25S3R-RT** 046840		
	45°	45°		0		white	**Q18S3-WS** 046850	**Q25S3-WS** 046852		
	45°	45°	I	0	II	white	**Q18S3R-WS** 046846	**Q25S3R-WS** 046848		
	45°	45°		0		blue	**Q18S3-BL** 046368	**Q25S3-BL** 046836		
	45°	45°	I	0	II	blue	**Q18S3R-BL** 064430	**Q25S3R-BL** 045646		
Contact elements[1) 2)] Admissible operational voltage: 5 – 250 V										
	1 N.O.					green	**E10** 090351	**E10** 090351		
	1 N.C. ⊖					red	**E01** 090401	**E01** 090401		



Accessories	Page
Assembly aids and accessories	05/059

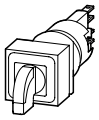
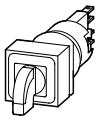
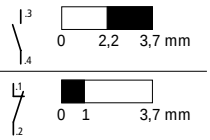
Notes

1) x = Sequence numbers on front element
y = Function numbers on contact element

2) Snaps firmly on the sides of the operator. Blade terminals will accept AMP # 60197-1, 62050-1 or equivalent UL/CSA listed fast-on connectors.

1) UL listed File No. E 29 184
CSA certified File No. 46 552

RMQ16
Illuminated Selector Switches, Contact Elements

Function = Maintained = Momentary	Contacts N.O. = normally open N.C. = normally closed ⊖ = Positive opening safety function to IEC/EN 60 947-5-1 N.O. N.C.	Thumb-grip color	Square style Front dimensions: 18 × 18 mm **Type** Article no.	25 × 25 mm **Type** Article no.	**Price** See Price List
Illuminated selector switches, NEMA 13, IP65, 2 positions Includes VS anti-rotation guard ring Without filament bulb					
					
45°		white	**Q18LWK1-WS** 040349	**Q25LWK1-WS** 040658	
45°		red	**Q18LWK1-RT** 039337	**Q25LWK1-RT** 040657	
45°		green	**Q18LWK1-GN** 039336	**Q25LWK1-GN** 040656	
45°		white	**Q18LWK1R-WS** 040376	**Q25LWK1R-WS** 040661	
45°		red	**Q18LWK1R-RT** 040351	**Q25LWK1R-RT** 040660	
45°		green	**Q18LWK1R-GN** 040350	**Q25LWK1R-GN** 040659	
Illuminated selector switches, NEMA 13, IP65, 3 positions Includes VS anti-rotation guard ring Without filament bulb					
					
45° 45°		white	**Q18LWK3-WS** 072322	**Q25LWK3-WS** 072358	
45° 45°		red	**Q18LWK3-RT** 072323	**Q25LWK3-RT** 072359	
45° 45°		green	**Q18LWK3-GN** 072324	**Q25LWK3-GN** 072360	
45° 45°		white	**Q18LWK3R-WS** 072325	**Q25LWK3R-WS** 072361	
45° 45°		red	**Q18LWK3R-RT** 072326	**Q25LWK3R-RT** 072362	
45° 45°		green	**Q18LWK3R-GN** 072327	**Q25LWK3R-GN** 072363	
45° 45°		white	**Q18LWK3R1-WS** 072328	**Q25LWK3R1-WS** 072364	
45° 45°		red	**Q18LWK3R1-RT** 072329	**Q25LWK3R1-RT** 072365	
45° 45°		green	**Q18LWK3R1-GN** 072330	**Q25LWK3R1-GN** 072366	
45° 45°		white	**Q18LWK3R2-WS** 072331	**Q25LWK3R2-WS** 072367	
45° 45°		red	**Q18LWK3R2-RT** 072332	**Q25LWK3R2-RT** 072368	
45° 45°		green	**Q18LWK3R2-GN** 072333	**Q25LWK3R2-GN** 072369	
Contact elements[1) 2)] Admissible operational voltage: 5 – 250 V					
1 		green	**E10** 090351	**E10** 090351	
1 ⊖		red	**E01** 090401	**E01** 090401	

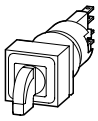
Notes

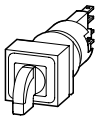
[1)] x = Sequence numbers on front element
y = Function numbers on contact element

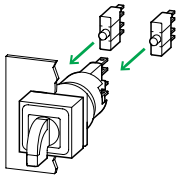
[2)] Snaps firmly on the sides of the operator. Blade terminals will accept AMP # 60197-1, 62050-1 or equivalent UL/CSA listed fast-on connectors.

[3)] UL listed File No. E 29 184
CSA certified File No. 46 552

Function = Maintained = Momentary		Thumb-grip color	Square style Front dimensions: 18 × 18 mm **Type** Article no.	25 × 25 mm **Type** Article no.	**Price** See Price List	**Notes**
Illuminated selector switches, NEMA 13, IP65, 2 positions Includes VS anti-rotation guard ring With filament bulb, 24 V						
	45°	white	**Q18LWK1-WS/WB** 038978	**Q25LWK1-WS/WB** 040379		
	45°	red	**Q18LWK1-RT/WB** 038930	**Q25LWK1-RT/WB** 040378		
	45°	green	**Q18LWK1-GN/WB** 038883	**Q25LWK1-GN/WB** 040377		
	45°	white	**Q18LWK1R-WS/WB** 039335	**Q25LWK1R-WS/WB** 040476		
	45°	red	**Q18LWK1R-RT/WB** 039248	**Q25LWK1R-RT/WB** 040381		
	45°	green	**Q18LWK1R-GN/WB** 039247	**Q25LWK1R-GN/WB** 040380		
Illuminated selector switches, NEMA 13, IP65, 3 positions Includes VS anti-rotation guard ring With filament bulb, 24 V						
45° 45°		white	**Q18LWK3-WS/WB** 072334	**Q25LWK3-WS/WB** 072346		
45° 45°		red	**Q18LWK3-RT/WB** 072335	**Q25LWK3-RT/WB** 072347		
45° 45°		green	**Q18LWK3-GN/WB** 072336	**Q25LWK3-GN/WB** 072348		
45° 45°		white	**Q18LWK3R-WS/WB** 072337	**Q25LWK3R-WS/WB** 072349		
45° 45°		red	**Q18LWK3R-RT/WB** 072338	**Q25LWK3R-RT/WB** 072350		
45° 45°		green	**Q18LWK3R-GN/WB** 072339	**Q25LWK3R-GN/WB** 072351		
45° 45°		white	**Q18LWK3R1-WS/WB** 072340	**Q25LWK3R1-WS/WB** 072352		
45° 45°		red	**Q18LWK3R1-RT/WB** 072341	**Q25LWK3R1-RT/WB** 072353		
45° 45°		green	**Q18LWK3R1-GN/WB** 072342	**Q25LWK3R1-GN/WB** 072354		
45° 45°		white	**Q18LWK3R2-WS/WB** 072343	**Q25LWK3R2-WS/WB** 072355		
45° 45°		red	**Q18LWK3R2-RT/WB** 072344	**Q25LWK3R2-RT/WB** 072356		
45° 45°		green	**Q18LWK3R2-GN/WB** 072345	**Q25LWK3R2-GN/WB** 072357		
Contact elements[1) 2)] Admissible operational voltage: 5 – 250 V						
1 N.O.		green	**E10** 090351	**E10** 090351		
1 N.C.		red	**E01** 090401	**E01** 090401		







Accessories	**Page**
Assembly aids and accessories	05/059

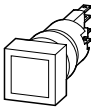
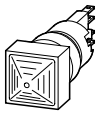
Notes

1) x = Sequence numbers on front element
y = Function numbers on contact element

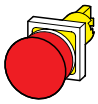
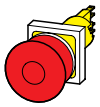
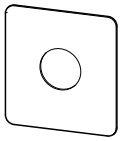
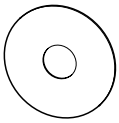
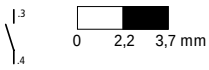
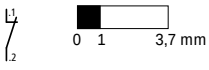
2) Snaps firmly on the sides of the operator. Blade terminals will accept AMP # 60197-1, 62050-1 or equivalent UL/CSA listed fast-on connectors.

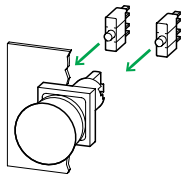
3) UL listed File No. E 29 184
CSA certified File No. 46 552

RMQ16
Indicating Lights

	Lens color	Square style Front dimensions: 18 × 18 mm **Type** Article no.	25 × 25 mm **Type** Article no.	**Price** See Price List
Indicating lights, NEMA 13, IP65				
Flush Without filament bulb 	white	**Q18LF-WS** 088406	**Q25LF-WS** 090228	
	green	**Q18LF-GN** 088337	**Q25LF-GN** 090000	
	red	**Q18LF-RT** 088387	**Q25LF-RT** 090198	
	yellow	**Q18LF-GE** 088303	**Q25LF-GE** 089252	
	blue	**Q18LF-BL** 088270	**Q25LF-BL** 089229	
With filament bulb, 24 V	white	**Q18LF-WS/WB** 088059	**Q25LF-WS/WB** 089151	
	green	**Q18LF-GN/WB** 087947	**Q25LF-GN/WB** 088828	
	red	**Q18LF-RT/WB** 088001	**Q25LF-RT/WB** 089104	
	yellow	**Q18LF-GE/WB** 087915	**Q25LF-GE/WB** 088798	
	blue	**Q18LF-BL/WB** 087860	**Q25LF-BL/WB** 088761	
Conical Without filament bulb 	white	**Q18LH-WS** 088705	**Q25LH-WS** 086263	
	green	**Q18LH-GN** 088629	**Q25LH-GN** 086207	
	red	**Q18LH-RT** 088655	**Q25LH-RT** 086241	
	yellow	**Q18LH-GE** 088585	**Q25LH-GE** 090481	
	blue	**Q18LH-BL** 088560	**Q25LH-BL** 090428	
With filament bulb, 24 V	white	**Q18LH-WS/WB** 088535	**Q25LH-WS/WB** 090405	
	green	**Q18LH-GN/WB** 088483	**Q25LH-GN/WB** 090312	
	red	**Q18LH-RT/WB** 088507	**Q25LH-RT/WB** 090354	
	yellow	**Q18LH-GE/WB** 088448	**Q25LH-GE/WB** 090285	
	blue	**Q18LH-BL/WB** 088424	**Q25LH-BL/WB** 090240	

Notes: 1) UL listed file No. E 29 184
CSA certified File No. 46 552

Contacts N.O. = normally open N.C. = normally closed ⊖ = Positive opening safety function to IEC/EN 60 947-5-1 N.O. N.C.	Color Form	**Square style** Front dimensions: 25 × 25 mm **Type** Article no.	**Price** See Price List	**Notes**
Emergency-Stop pushbuttons, NEMA 13, IP65 Tamper proof to ISO 13 850, EN 418 Red plunger remains in actuated position when pressed. Pull to release				
Non-illuminated 		**Q25PV** 072370		
Illuminated With integral multiple LED, 24 V DC, I_e = 15 mA Positive pole connected to X1 No need to change the bulb 		**Q25LPV** 072371		
Emergency-Stop plates, IP65 NOT-AUS EMERGENCY-STOP ARRET D'URGENCE EMERGENZA				
Yellow with black text 50 × 50 mm 	Square	**SQT1** 058874		
∅ 60 mm 	Round	**SRT1** 058873		
Blank Not suitable for engraving 	Square	**SQ-GE** 063263		
	Round	**SR-GE** 063264		
Contact elements[1) 2)] Admissible operational voltage: 5 – 250 V 				
1  0 2,2 3,7 mm	green	**E10** 090351		
1 ⊖  0 1 3,7 mm	red	**E01** 090401		



Accessories	Page
Assembly aids and accessories	05/059

Notes

1) x = Sequence numbers on front element
y = Function numbers on contact element

2) Snaps firmly on the sides of the operator. Blade terminals will accept AMP # 60197-1, 62050-1 or equivalent UL/CSA listed fast-on connectors.

3) UL listed File No. E 29 184
CSA certified File No. 46 552

RMQ16
Marking Plates

	Symbol/color	Button plates For pushbutton operators 18 × 18 mm Type Article no.	25 × 25 mm Type Article no.	Price See Price List	Symbol	Transparent insert plates For illuminated pushbuttons and indicating- lights, flush 18 × 18 mm Type Article no.	25 × 25 mm Type Article no.	Price See Price List
Symbol meaning in accordance with DIN 30 600								
	black	**01TQ18** 086816	**01TQ25** 091121			**01LQ18** 090231	**01LQ25** 093180	
	white	**02TQ18** 086859	**02TQ25** 091149			–	–	
	green	**03TQ18** 087766	**03TQ25** 091184			–	–	
	red	**04TQ18** 087834	**04TQ25** 091442			–	–	
	yellow	**05TQ18** 087867	**05TQ25** 091471			–	–	
	blue	**06TQ18** 087920	**06TQ25** 091506			–	–	
STOP or OFF	red	**10TQ18** 087951	**10TQ25** 091536			**10LQ18** 090243	**10LQ25** 093225	
STOP or OFF	black	**19TQ18** 054510	**19TQ25** 054508			–	–	
START or ON	green	**11TQ18** 088007	**11TQ25** 091562			**11LQ18** 090288	**11LQ25** 093242	
START or ON	white	**20TQ18** 054509	**20TQ25** 054507			–	–	
	black	**21TQ18** 088061	**21TQ25** 091586			–	–	
Directions	black	**32TQ18** 088125	**32TQ25** 091618			**32LQ18** 090320	**32LQ25** 093264	
	black	**36TQ18** 088275	**36TQ25** 092592			**36LQ18** 090410	**36LQ25** 093330	
Voltage	black	**34TQ18** 095386	**34TQ25** 092563			**34LQ18** 090368	**34LQ25** 093307	
Increase	black	**37TQ18** 088315	**37TQ25** 092608			**37LQ18** 090434	**37LQ25** 093365	
Decrease	black	**38TQ18** 088340	**38TQ25** 092645			**38LQ18** 090488	**38LQ25** 093402	
Hand	black	**40TQ18** 088389	**40TQ25** 092709			**40LQ18** 086178	**40LQ25** 093462	
Automatic	black	**41TQ18** 088412	**41TQ25** 092774			**41LQ18** 086210	**41LQ25** 093528	
Inch/Jog	black	**43TQ18** 088426	**43TQ25** 092791			**43LQ18** 086246	**43LQ25** 090501	
Unlock	black	**52TQ18** 088452	**52TQ25** 092825			**52LQ18** 086366	**52LQ25** 090640	
Lock	black	**53TQ18** 088487	**53TQ25** 092874			**53LQ18** 086453	**53LQ25** 090676	

RMQ16
Marking Plates

	Symbol/color	Button plates For pushbutton operators 18 × 18 mm Type Article no.	Button plates 25 × 25 mm Type Article no.	Price See Price List	Symbol	Transparent insert plates For illuminated pushbutton and indicating lights, flush 18 × 18 mm Type Article no.	Transparent insert plates 25 × 25 mm Type Article no.	Price See Price List
Symbol meaning in accordance withDIN 30 600								
Unclamp	black	**54TQ18** 088512	**54TQ25** 093013			**54LQ18** 086755	**54LQ25** 090706	
Clamp	black	**55TQ18** 088545	**55TQ25** 093032			**55LQ18** 086817	**55LQ25** 090737	
Liquid START	white	–	**921TQ25** 047426			**63LQ18** 086861	**63LQ25** 090776	
Liquid STOP	black	**63TQ18** 088566	**63TQ25** 093060			**63LQ18** 086861	**63LQ25** 090776	
Horn	black	**66TQ18** 088590	**66TQ25** 093092			**66LQ18** 087800	**66LQ25** 090799	
Spindle START	white	–	**811TQ25** 053898			–	–	
Spindle STOP	black	–	**814TQ25** 047425			–	–	
ON-OFF, maintained	black	**899TQ18** 089232	**899TQ25** 093063			**899LQ18** 091008	**899LQ25** 093184	
Directions of movement	black	**911TQ18** 089778	**911TQ25** 093100			**911LQ18** 091045	**911LQ25** 093202	
	black	**912TQ18** 090181	**912TQ25** 093135			**912LQ18** 091088	**912LQ25** 093228	
Fault		–	–			**920LQ18** 062106	**920LQ25** 062107	
	0 black	**80TQ18** 088631	**80TQ25** 093134		0	**80LQ18** 087840	**80LQ25** 090825	
	1 black	**81TQ18** 088663	**81TQ25** 093158		1	**81LQ18** 087868	**81LQ25** 090854	
	2 black	**82TQ18** 088715	**82TQ25** 093178		2	**82LQ18** 088343	**82LQ25** 090869	
	3 black-	**83TQ18** 088744	**83TQ25** 093197		3	**83LQ18** 088517	**83LQ25** 090884	
	4 black	**84TQ18** 088766	**84TQ25** 093224		4	**84LQ18** 088547	**84LQ25** 090916	
	5 black	**85TQ18** 088811	**85TQ25** 093241		5	**85LQ18** 088567	**85LQ25** 090937	
	6 black	**86TQ18** 089069	**86TQ25** 093257		6	**86LQ18** 088593	**86LQ25** 090952	
	7 black	**87TQ18** 089107	**87TQ25** 093288		7	**87LQ18** 088664	**87LQ25** 090990	
	8 black	**88TQ18** 089165	**88TQ25** 093305		8	**88LQ18** 088721	**88LQ25** 091021	
	9 black	**89TQ18** 089205	**89TQ25** 093329		9	**89LQ18** 088746	**89LQ25** 091048	

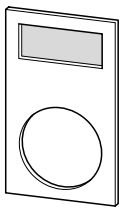
RMQ16
Marking Plates

		Color	**Button plates** For pushbutton operators 18 × 18 mm **Type** Article no.	25 × 25 mm **Type** Article no.	**Price** See Price List		**Transparent insert plates** For illuminated pushbutton operators and indicating lights, flush 18 × 18 mm **Type** Article no.	25 × 25 mm **Type** Article no.	**Price** See Price List
Plates Text in accordance with DIN 30 640									
STOP		red	–	**110TQ25** 093363			**110LQ18** 088773	**110LQ25** 091091	
STOP		black	–	**112TQ25** 063748			**110LQ18** 088773	**110LQ25** 091091	
ARRET		red	–	**310TQ25** 091446			**310LQ18** 090851	**310LQ25** 092876	
START		green	–	**111TQ25** 093399			**111LQ18** 088813	**111LQ25** 091126	
START		white	–	**122TQ25** 063746			**111LQ18** 088813	**111LQ25** 091126	
MARCHE		green	–	**311TQ25** 091475			**311LQ18** 090865	**311LQ25** 093017	
OFF		red	–	**217TQ25** 090911			**217LQ18** 090498	**217LQ25** 092569	
ARRET		black	–	**317TQ25** 091508			**310LQ18** 090851	**310LQ25** 092876	
ON		black	–	**221TQ25** 090934			**221LQ18** 090524	**221LQ25** 092597	
MARCHE			–	**321TQ25** 091563			**311LQ18** 090865	**311LQ25** 093017	
LEFT		black	–	**234TQ25** 090987			**234LQ18** 090665	**234LQ25** 092611	
GAUCHE			–	**334TQ25** 092567			**334LQ18** 090882	**334LQ25** 093038	
RIGHT		black	–	**235TQ25** 091009			**235LQ18** 090699	**235LQ25** 092661	
DROITE			–	**335TQ25** 092594			**335LQ18** 090910	**335LQ25** 093072	

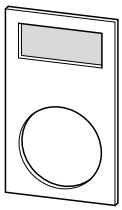
RMQ16
Marking Plates

		Color	Button plates For pushbutton operators				Transparent insert plates For illuminated pushbutton operators and indicating lights, flush		
			18 × 18 mm	25 × 25 mm			18 × 18 mm	25 × 25 mm	
			Type Article no.	**Type** Article no.	**Price** See Price List		**Type** Article no.	**Type** Article no.	**Price** See Price List
Plates Text in accordance with DIN 30 640									
CLOSE	■	black	–	**253TQ25** 091089		■	**253LQ18** 090731	**253LQ25** 092724	
FERME			–	**353TQ25** 092609			**353LQ18** 090933	**353LQ25** 093104	
UP	■	black	–	**272TQ25** 091124		■	**272LQ18** 090768	**272LQ25** 092778	
MONTEE			–	**372TQ25** 092711			**372LQ18** 090949	**372LQ25** 093139	
DOWN	■	black	–	**273TQ25** 091152		■	**273LQ18** 090796	**273LQ25** 092794	
DESCENTE			–	**373TQ25** 092775			**373LQ18** 090983	**373LQ25** 093163	
RESET	■	blue	–	**287TQ25** 091185		■	**287LQ18** 090820	**287LQ25** 092844	

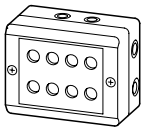
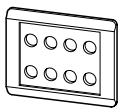
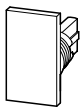
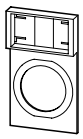
RMQ16
Insert Plates, Legend Plates

		Insert plates For Q25T...-X legend plates			Legend plates Q25T... with insert plate	
		Type Article no.	Price See Price List		Type Article no.	Price See Price List
Insert plates, legend plates 10 × 22 mm						
Blank, black, can be engraved		**01SQ25** 037986			**Q25TS-01** 046184	
Blank, aluminium-colored, can be engraved		**02SQ25** 038074			**Q25TS-02** 046185	
Blank, yellow, not suitable for engraving		**05SQ25** 063201			**Q25TGE-05** 063259	
Insert plate aluminium-colored or yellow Text black	0	**10SQ25** 038268			**Q25TS-10** 046186	
	I	**11SQ25** 038269			**Q25TS-11** 046187	
	→	**32SQ25** 038270			**Q25TS-32** 046188	
	0 I	**90SQ25** 038271			**Q25TS-90** 046189	
	I 0 II	**93SQ25** 072300			**Q25TS-93** 072304	
STOP		**110SQ25** 038507			**Q25TS-110** 046190	
ARRET		**310SQ25** 038768			**Q25TS-310** 046191	
START		**111SQ25** 038508			**Q25TS-111** 046192	
MARCHE		**311SQ25** 038769			**Q25TS-311** 046193	

RMQ16
Insert Plates, Legend Plates

		Insert plates For Q25T...-X legend plates Type Article no.	Price See Price List		Legend plates Q25T... with insert plate Type Article no.	Price See Price List
Insert plates, legend plates Insert plate aluminium-colored or yellow Text black						
OFF		**217SQ25** 038728			**Q25TS-217** 046195	
ARRET		**310SQ25** 038768			**Q25TS-310** 046191	
ON		**221SQ25** 038765			**Q25TS-221** 046197	
MARCHE		**311SQ25** 038769			**Q25TS-311** 046193	
FAULT		**250SQ25** 038766			**Q25TS-250** 046199	
DEFAUT		**386SQ25** 072302			**Q25TS-386** 072306	
RUN		**283SQ25** 038767			**Q25TS-283** 046203	
EN SERVICE		**383SQ25** 038771			**Q25TS-383** 046204	
HAND 0 AUTO		**197SQ25** 072301			**Q25TS-197** 072305	
MAN. 0 AUTO		**397SQ25** 072303			**Q25TS-397** 072307	
Emergency-Stop	yellow	**299SQ25** 063199			**Q25TGE-299** 063261	
ARRET D'URGENCE	yellow	**399SQ25** 048638			**Q25TGE-399** 063262	

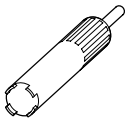
RMQ16
Enclosures

	Color	Type Article no.	Price See Price List
Surface mounting enclosure[1], NEMA 13, IP65 With moulded cover mounting screws Enclosure cover light gray (RAL 7035) Enclosure base black (RAL 9005) 8 locations With cable entry knockouts Bottom: 4 × PG 9/13,5 Sides: 6 × PG 9/13,5; 1 × PG 13,5 			
		I8 046299	
Surface mounting enclosure for configuration of complete units		**KI8** 054422	
Flush mounting panel[1], NEMA 13, IP65 8 locations 			
	gray	**E8** 054423	
	black	**E8-SW** 065212	
Flush mounting panel for configuration of complete units	gray	**KE8** 054424	
	black	**KE8-SW** 065211	
Cover plates, IP65 For blanking off reserve locations in surface mounting enclosures or flush mounting panels, grid dimensions 25 × 37.5 mm			
	black	**Q25AS** 036602	
	gray	**Q25AGR** 048641	
	yellow	**Q25AGE** 048640	
Legend plate for insert plates For additional labelling of locations in surface mounting enclosures or flush mounting panels, grid dimensions 25 × 37.5 mm For suitable insert plates → Page 05/058			
	black	**Q25TS-X** 036601	
	gray	**Q25TGR-X** 063257	
	yellow	**Q25TGE-X** 063258	

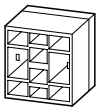
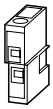
Notes

[1] Unoccupied locations must be blocked off with cover plates.
Each occupied location must be equipped with a legend plate.

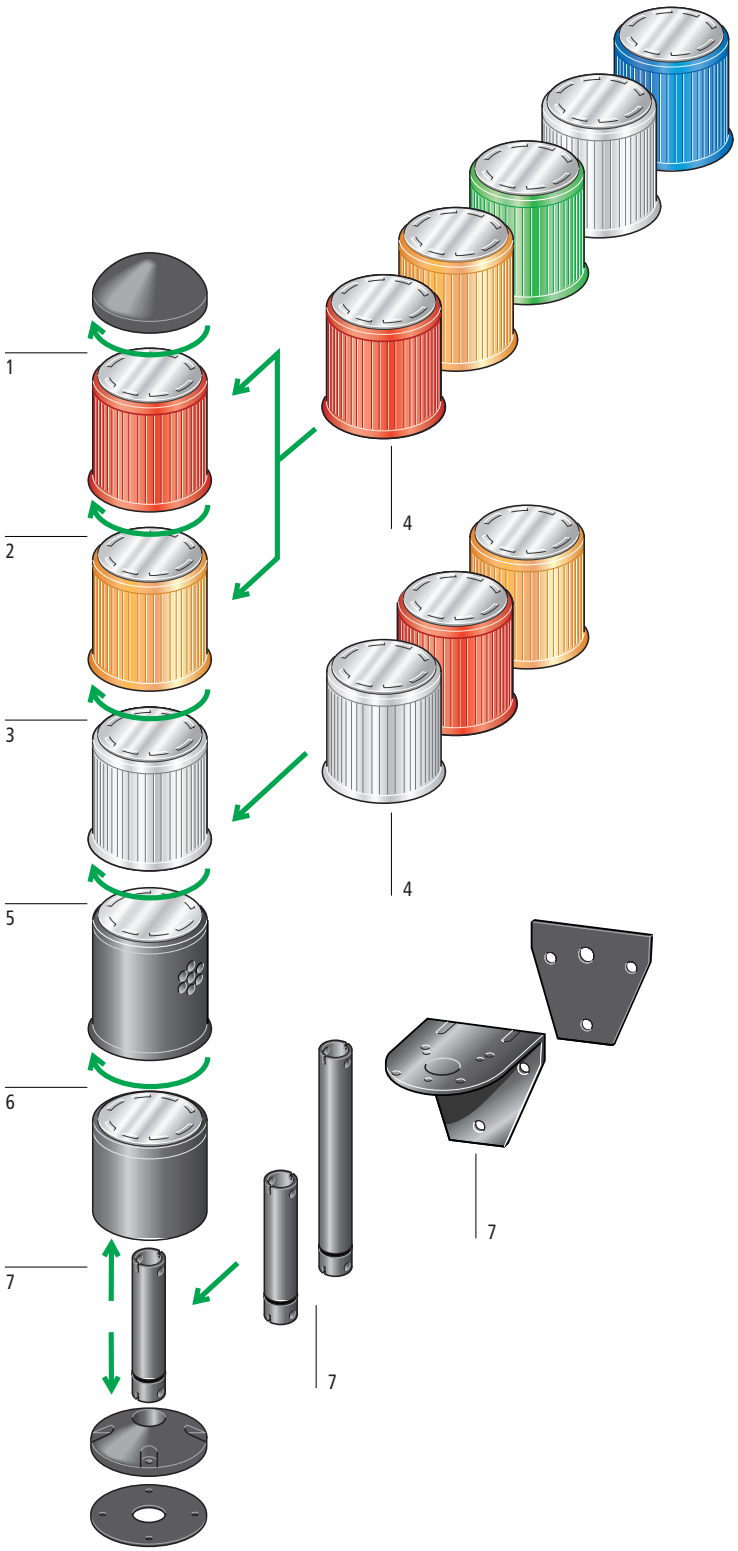
RMQ16
Accessories

		Service life t_{mean} (AC) at T_a = +25 °C	Color	Type Article no.	Price See Price List
Filament bulbs, wedge base, W 2 × 4.6 d					
	6 V/1.0 W	10000 h		**WBGL6** 090223	
	12 V/1.0 W	15000 h		**WBGL12** 089968	
	24 – 28 V/1.0 W	7000 h		**WBGL24** 089247	
Multiple LEDs, wedge base, W 2 × 4.6 d For AC/DC					
	6 V/45 mA	60000 h	yellow	**WBLED-GE6** 055711	
			green	**WBLED-GN6** 055712	
			red	**WBLED-RT6** 055713	
	12 V/24 mA	60000 h	yellow	**WBLED-GE12** 055714	
			green	**WBLED-GN12** 055715	
			red	**WBLED-RT12** 055716	
Single-Chip LED, wedge base, W 2 × 4.6 d Positive pole to X1 Integral suppressor circuit up to 1000 V					
	18 – 30 V/7 – 12.5 mA	100000 h	yellow	**LEDWB-Y** 208724	
			green	**LEDWB-G** 208725	
			red	**LEDWB-R** 208726	
			white	**LEDWB-W** 208728	
			blue	**LEDWB-B** 208727	
Assembly tool					
	For lock nuts, with bulb extractor			**R16-MS** 090297	
Terminal insulator					
	For 2.8 × 0.8 mm fast-on connectors, can be push-fitted from the front Also suitable for .110 x .32 inch fast-on receptacles: AMP # 60197-1, 62050-1 or equivalent UL/CSA listed fast-on receptacles.			**ISH2.8** 090267	
Fast-on connectors					
	2.8 × 0.8 mm for conductor cross-sections 0.5 – 1 mm²			**LT306.022.3** 058863	
Blanking plugs, IP65					
	For blanking off reserve locations, grid spacing 18 × 18 mm		black	**Q18BS** 037985	
	For blanking off reserve locations, grid spacing 25 × 25 mm		black	**Q25BS** 036976	
Anti-rotation ring					
	Guard ring as anti-rotation feature for all RMQ16 operators			**VS** 046301	

RMQ16
Marking Plates

	For use with	Color	Type Article no.	Price See Price List
PCB adapter For adaptation to printed circuit boards. Lamp socket and contact elements can be fitted directly.				
			**PRA16** 046302	
Screw adapter IP20 For conductor cross-sections up to 1 x 1.5 mm² (approx.16 AWG) 2 x 0.75 mm² (approx. 18 AWG)				
	For N.C. contacts	red	**SRA01** 028101	
	For N.O. contacts	green	**SRA10** 028100	
	For lamp sockets	black	**SRAL** 028099	
Individual key Standard lock mechanism black. Each colour corresponds to a different lock mechanism				
		black	**ES16** 065190	
		green	**ES16-GN** 030742	
		red	**ES16-RT** 030741	
		white	**ES16-WS** 030743	
		blue	**ES16-BL** 030744	

Signal Towers
System Overview



Signal Towers
System Overview

Continuous light	1
Easy to assemble with bayonet fitting	
Modules can be stacked as required	
Degree of protection IP54	
Up to 5 modules can be stacked	
Operating mode 100% DF	
5 W filament bulb	
→ Page 05/066	

Blinking light	2
Easy to assemble with bayonet fitting	
Modules can be stacked as required	
Degree of protection IP54	
Up to 5 modules can be stacked	
Operating mode 100% DF	
5 W filament bulb	
Blinking rate: approx. 60/min.	
→ Page 05/068	

Strobe light	3
Easy to assemble with bayonet fitting	
Arrangement of modules as required	
Degree of protection IP54	
Up to 5 modules can be stacked	
Operating mode 100% DF	
Light intensity: 15 CD	
Flash rate: approx. 60/min.	
→ Page 05/067	

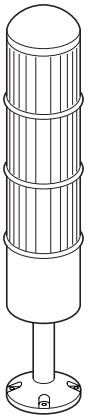
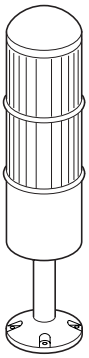
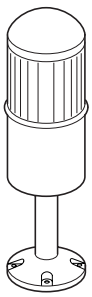
Lenses	4
Colors: red, yellow, green, white, blue	
Fresnel grooves ensure even light distribution	

Acoustic indicator	5
Easy to assemble with bayonet fitting	
Modules can be stacked as required	
Degree of protection IP20	
Operating mode 100% DF	
Continuous or pulsed tone	
Volume: approx. 90 dB at 60 cm	
Frequency: 2750 Hz	
→ Page 05/067	

Basic module	6
Easy to assemble with bayonet fitting	
Degree of protection IP54	
For floor mounting or in tubular column	
Terminal connection: 6 × 1.5 mm^2 (approx. AWG 24 ... 14)	
Includes top cover	
→ Page 05/068	

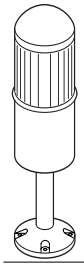
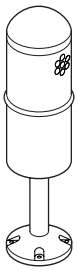
Accessories	7
Spacer tube available in four lengths	
Base	
90° wall mounting	
4 hole mounting	
→ Page 05/069	

SL... Signal Towers
Complete Units

	Rated operational voltage U_e	Number of modules	Color Configuration	**Type** Article no.	**Price** See Price List
Complete units Basic module with stand and 100 mm tube with filament bulb					
Continuous light IP54 	110-130 V AC	3	red yellow green	**SL-100-L-RYG/130** 104266	
	230 V AC	3	red yellow green	**SL-100-L-RYG/230** 205351	
	24 V AC/DC	3	red yellow green	**SL-100-L-RYG/24** 205352	
Continuous light IP54 	110-130 V AC	2	red green	**SL-100-L-RG/130** 104265	
	230 V AC	2	red green	**SL-100-L-RG/230** 205353	
	24 V AC/DC	2	red green	**SL-100-L-RG/24** 205354	
Continuous light IP54 	230 V AC	1	white	**SL-100-L-W/130** 104267	
	230 V AC	1	white	**SL-100-L-W/230** 205355	
	24 V AC/DC	1	white	**SL-100-L-W/24** 205356	

SL... Signal Towers
Complete Units

NEMA / UL / CSA 12 / CE

	Rated operational voltage U_e	Number of modules	Color Configuration	**Type** Article no.	**Price** See Price List
Complete units Basic module with stand and 100 mm tube with filament bulb					
Continuous light IP54	110-130 V AC	1	red	**SL-100-L-R/130** 104264	
	230 V AC	1	red	**SL-100-L-R/230** 205357	
	24 V AC/DC	1	red	**SL-100-L-R/24** 205358	
Continuous light IP54 	110-130 V AC	1	yellow	**SL-100-L-Y/130** 104268	
	230 V AC	1	yellow	**SL-100-L-Y/230** 205359	
	24 V AC/DC	1	yellow	**SL-100-L-Y/24** 205360	
Strobe light, IP54	110-130 V AC	1	white	**SL-100-FL130-W** 104263	
	230 V AC	1	white	**SL-100-FL230-W** 205361	
	24 V AC/DC	1	white	**SL-100-FL24-W** 205362	
Strobe light, IP54	110-130 V AC	1	red	**SL-100-FL130-R** 205363	
	230 V AC	1	red	**SL-100-FL230-R** 205363	
	24 V AC/DC	1	red	**SL-100-FL24-R** 205364	
Acoustic indicator, IP20, NEMA/UL/CSA Type 1 Pulsed tone 	110 – 230 V AC/DC	1		**SL-100-AP110-230** 205365	
	12 – 36 V AC/DC	1		**SL-100-AP24** 205366	

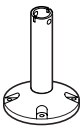
SL... Signal Towers
Modules

		Rated operational voltage U_e	Color	Type Article no.	Price See Price List
Basic module Black, with top cover					
	With screw terminals			**SL-B** 205311	
	With Cage Clamp[1)]			**SL-CB** 218483	
Continuous light module					
Without filament bulbs 			white	**SL-L-W** 205312	
			red	**SL-L-R** 205313	
			green	**SL-L-G** 205314	
			yellow	**SL-L-Y** 205315	
			blue	**SL-L-B** 205316	
Flashing light module					
With filament bulb, also suitable for LED, f ≈ 1 Hz 		24 V AC/DC	white	**SL-BL24-W** 205317	
			red	**SL-BL24-R** 205318	
			green	**SL-BL24-G** 205319	
			yellow	**SL-BL24-Y** 205320	
			blue	**SL-BL24-B** 205321	
		110 – 130 V AC	white	**SL-BL130-W** 205322	
			red	**SL-BL130-R** 205323	
			green	**SL-BL130-G** 205324	
			yellow	**SL-BL130-Y** 205325	
			blue	**SL-BL130-B** 205326	
		230 V AC	white	**SL-BL230-W** 205327	
			red	**SL-BL230-R** 205328	
			green	**SL-BL230-G** 205329	
			yellow	**SL-BL230-Y** 205330	
			blue	**SL-BL230-B** 205331	
Acoustic indicator module 84 – 92 dB in 60 cm					
	Continuous tone f = 2750 Hz	12 – 36 V AC/DC 8 – 12 mA		**SL-A24** 205341	
		110 – 230 V AC/DC 4 – 8 mA		**SL-A110-230** 205342	
	Pulsed tone 5 Hz at f = 2750 Hz	12 – 36 V AC/DC 8 – 12 mA		**SL-AP24** 205343	
		110 – 230 V AC/DC 4 – 8 mA		**SL-AP110-230** 205344	

Notes

1) Cage Clamp is a registered trademark of Wago Contact Technik GmbH, Minden, Germany

SL... Signal Towers
Modules, Accessories

	Service life t_{mean} at T_a = +25 °C	Rated operational voltage U_e	Color	Type Article no.	Price See Price List
Strobe light module With flash tube, 1 Ws, f ≈ 1 Hz					
		24 V AC/DC I_{emax}: 190 mA	white	**SL-FL24-W** 205332	
			red	**SL-FL24-R** 205333	
			yellow	**SL-FL24-Y** 205334	
		110 – 130 V AC I_{emax}: 31 mA	white	**SL-FL130-W** 205335	
			red	**SL-FL130-R** 205336	
			yellow	**SL-FL130-Y** 205337	
		230 V AC I_{emax}: 28 mA	white	**SL-FL230-W** 205338	
			red	**SL-FL230-R** 205339	
			yellow	**SL-FL230-Y** 205340	
Accessories					
Stand with gasket					
	100 mm tube, black plastic			**SL-F100** 205345	
	250 mm tube, black plastic			**SL-F250** 205346	
	400 mm tube, metal			**SL-F400** 215275	
	800 mm tube, metal			**SL-F800** 215276	
Mounting bracket 90° for wall mounting					
				SL-FW 205347	
Filament bulb BA 15d, 5 – 7 W					
	2000 h	24 V		**SL-L24** 205348	
	5000 h	110 – 130 V		**SL-L130** 205349	
	5000 h	220 – 260 V		**SL-L230** 205350	
Multiple LED BA 15d, integral suppressor circuit up to 1500 V					
	100000 h	18 – 30 V AC/DC 13 – 50 mA	white	**SL-LED-W** 215278	
	100000 h	18 – 30 V AC/DC 13 – 50 mA	red	**SL-LED-R** 215279	
	100000 h	18 – 30 V AC/DC 13 – 50 mA	green	**SL-LED-G** 215280	
	100000 h	18 – 30 V AC/DC 13 – 50 mA	yellow	**SL-LED-Y** 215281	
	100000 h	18 – 30 V AC/DC 13 – 50 mA	blue	**SL-LED-B** 215282	
Set of gaskets, IP65 For 3 modules ≙ 4 pieces		To increase degree of protection to IP65, NEMA, UL, CSA 4X (not applicable to acoustic modules)		**SL-IP65** 215277	

RMQ Titan
Technical Data

			Contact elements	LED elements	Pushbutton operators Mushroom-head pushbutton operators	Double pushbuttons	Selector switches Illuminated selector switches
General technical data							
Standards			UL, CSA, IEC/EN 60 947, VDE 0660				
Lifespan, mechanical	Operations	× 10^6	5	–	5	0.2	0.1
Maximum operating frequency		Ops/h	3600	–	3600	3600	2000
Operating force		N	≦ 5	–	≦ 5	≦ 5	–
Operating torque		Nm	–	–	–	–	≦ 0,3
Degree of protection to IEC/EN 60 529			IP20	IP20	IP66	IP65	IP66
Climatic proofing			Damp heat, constant, to IEC 60 068-2-3 Damp heat, cyclical, to IEC 60 068-230				
Ambient temperature							
	Min./Max.	°C	–25/+70	–25/+70[1)]	–25/+70	–25/+70	–25/+70
Mounting position			As required	As required	As required	As required	As required
Mechanical shock resistance to IEC 60 068-2-27 (half-sinusoidal shock, duration 11 ms)		g	. 30	. 30	. 30	. 30	. 30
Terminal capacity, Cu only							
	1 or 2 wire	AWG	12...18	12...18	–	–	–
Dimensions			→ Page 05/076	–	→ Page 05/075	→ Page 05/075	→ Page 05/075
Contacts, IEC data							
Rated impulse withstand voltage U_{imp}		V	6000	6000	–	–	–
Rated insulation voltage U_i		V	500	500	–	–	–
Overvoltage category/ pollution degree			III/3	III/3	–	–	–
Control circuit reliability at							
24 V DC/5 mA	Fault probability H_F		< 10^{-7}, < 1 fault in 10^7 operations				
5 V DC/1 mA	Fault probability H_F		< 5 × 10^{-6}, < 1 fault in 5 × 10^6 operations				
Maximum short-circuit protective device							
Fuseless		Type	PKZM0–10/ FAZ-B6	–	–	–	–
Fuse		A gG/gL	10	–	–	–	–
Switching capacity, IEC data							
Rated operational current I_e							
AC-15							
115 V		A	6	–	–	–	–
230 V		A	6	–	–	–	–
400 V		A	4	–	–	–	–
500 V		A	2	–	–	–	–
DC-13							
24 V		A	3	–	–	–	–
42 V		A	1,7	–	–	–	–
60 V		A	1.2	–	–	–	–
110 V		A	0.8	–	–	–	–
220 V		A	0.3	–	–	–	–
Lifespan, electrical							
AC-15							
230 V/0.5 A	Operations	× 10^6	1.6	–	–	–	–
230 V/1.0 A	Operations	× 10^6	1.0	–	–	–	–
230 V/3.0 A	Operations	× 10^6	0.7	–	–	–	–
DC-13							
12 V/2.8 A	Operations	× 10^6	1.2	–	–	–	–

Notes [1)] > 200 V AC/60 Hz: –25/+55 °C

RMQ Titan
Technical Data

			Key-operated selector switches	Indicating lights	Illuminated pushbutton operators Pushbutton operators Mushroom-head push-button operators maintained	Emergency-Stop operators
General technical data						
Standards			UL, CSA, IEC/EN 60 947, VDE 0660			
Lifespan, mechanical	Operations	× 10^6	0.1	–	1	0.1
Maximum operating frequency		Ops/h	100	–	1800	600
Operating force		N	–	–	≦ 5	≦ 50
Operating torque		Nm	≦ 0,5	–	–	–
Degree of protection to IEC/EN 60 529			IP66	IP66	IP66	IP66
Climatic proofing			Damp heat, constant, to IEC 60 068-2-3 Damp heat, cyclical, to IEC 60 068-2-30			
Ambient temperature						
	Min./Max.	°C	–25/+70	–25/+70	–25/+70	–25/+70
Mounting position			As required	As required	As required	As required
Mechanical shock resistance to IEC 60 068-2-27 (half-sinusoidal shock, duration 11 ms)		g	. 30	. 30	. 30	. 50
Dimensions			→ Page 05/075	→ Page 05/075	→ Page 05/075	→ Page 05/075

			Contact elements
Electrical ratings, UL/CSA data			
Pilot duty ratings above 300 V AC same polarity			A 600 P 300
General Use			10A @ 600 V AC 1A @ 250 V DC

RMQ16
Technical Data

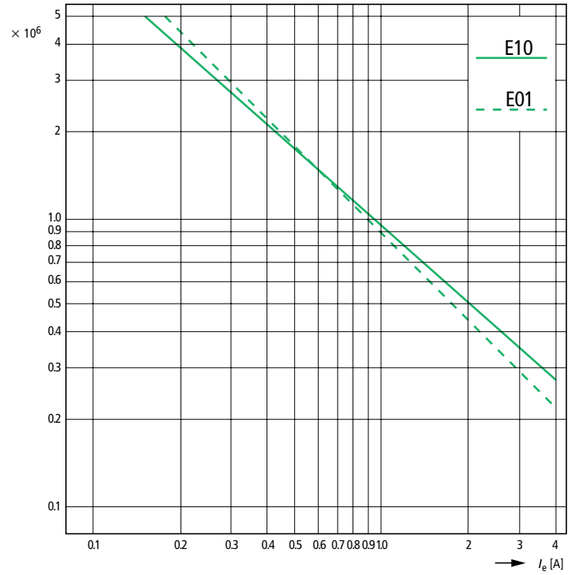
			Contact elements	Illuminated pushbutton operators (maintained)	Illuminated selector switches	Indicating lights
General technical data						
Standards			UL, CSA, IEC/EN 60 947, VDE 0660			
Lifespan, mechanical	Operations	× 10^5	100	30 (3)	3	–
Maximum operating frequency		Ops/h	3600	3600 (1800)	1800	–
Operating force		N	3	4	–	–
Operating torque		Nm	–	–	% 0.2	–
Degree of protection to IEC/EN 60 529			IP20 with ISH2,8	IP65	IP65	IP65
Climatic proofing			Damp heat, constant, to IEC 60 068-2-3 Damp heat, cyclical, to IEC 60 068-2-30			
Ambient temperature						
Open	Min./Max.	°C	–25/+60	–25/+60	–25/+60	–25/+60
Enclosed	Min./Max.	°C	–25/+40	–25/+40	–25/+40	–25/+40
Mounting position			As required	As required	As required	As required
Mechanical shock resistance to IEC 60 068-2-27 (half-sinusoidal shock, duration 11 ms)		g	40	40	40	40
Terminal capacity	Min./Max.	mm^2	0.5/1.0	0.5/1.0	0.5/1.0	0.5/1.0
Blade terminal			2.8 × 0.8 mm to DIN 46 244			
Ferrule			2.8 × 0.8 mm to DIN 46 247 and IEC 60 760			
Dimensions			→ Page 05/080	→ Page 05/080	→ Page 05/080	→ Page 05/080
Contacts						
Rated impulse withstand voltage U_{imp}		V	4000	800	800	800
Rated insulation voltage U_i		V	250	250	250	250
Overvoltage category/ pollution degree			III/3	III/3	III/3	III/3
Bemessungsbetriebsspannung U_e	Max.	V	250	24	24	24
Rated operational current I_e	Max.	A	4	–	–	–
Control circuit reliability at						
24 V DC/5 mA	Fault probability H_F		< 10^{-7}, < 1 fault in 10^7 operations			
5 V DC/1 mA	Fault probability H_F		< 5 × 10^{-6}, < 1 fault in 5 × 10^6 operations			
Use of insulated ferrule ISH 2.8						
From U_e			> 24 V AC/DC recommended			
From U_e			> 50 V AC or 120 V DC is mandatory, even on unused blade terminals			
Maximum short-circuit protective device						
Fuseless		Type	FAZ-B6	–	–	–
Fuse		A gG/gL	10	–	–	–
Switching capacity						
Rated operational current I_e						
AC-15						
24 V		A	4	–	–	–
48 V		A	4	–	–	–
110 V		A	4	–	–	–
230 V		A	4	–	–	–
DC-13						
24 V		A	3	–	–	–
42 V		A	1.0	–	–	–
60 V		A	0.8	–	–	–
110 V		A	0.5	–	–	–
220 V		A	0.2	–	–	–
UL/CSA data			UL listed file No. E 29 184, Guide No. NKCR CSA certified File No. 46 552 Class No. 321103			
Blade terminal			.110 x .032 inches			
Fast-on connector			.110 x .032 inches AMP # 60 197-1, 62 050-1 or equivalent			
Rated voltage max. AC		V AC	300	24	24	24
Contact rating code AC		E10/E01	C300/C300	-	-	-
Thermal continuous test current		A	2.5	-	-	-
Rated voltage max. DC		V DC	300			
Contact rating code DC		E10/E01	Q300/R300			
Thermal continuous test current		A	2.5	-	-	-

RMQ16
Technical Data

Pushbutton operators (maintained)	Selector switches	Key-released operators	Emergency-Stop operators	Emergency-Stop operators[1] illuminated
IEC/EN 60 947, VDE 0660				
30 (3)	3	3	0.5	0.5
3600 (1800)	1800	1800	600	600
4	–	–	25	25
–	≦ 0,2	≦ 0,4	–	–
IP65	IP65	IP65	IP65	IP65
Damp heat, constant, to IEC 60 068-2-3 Damp heat, cyclical, to IEC 60 068-2-30				
–25/+60	–25/+60	–25/+60	–25/+60	–25/+60
–25/+40	–25/+40	–25/+40	–25/+40	–25/+40
As required	As required	As required	As required	As required
40	40	40	40	40
–	–	–	–	0.5/1.0
–	–	–	–	2.8 × 0.8 mm
–	–	–	–	2.8 × 0.8 mm
→ Page 05/080	→ Page 05/08	→ Page 05/080	→ Page 05/080	→ Page 05/080

Lifespan, electrical AC-15 to IEC/EN 60 947-5-1 at 230 V

I_e = Rated operational current



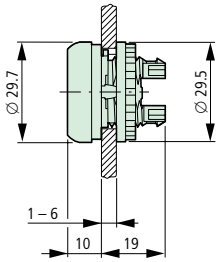
Notes [1] See illuminated selector switches for contact values

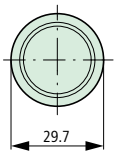
SL Signal Towers
Technical Data

General technical data			
Standards			UL, CSA, IEC/EN 60 947, VDE 0660
Degree of protection to IEC/EN 60 529			IP54
Climatic proofing			Damp heat, constant, to IEC 60 068-2-3 Damp heat, cyclical, to IEC 60 068-2-30
Ambient temperature			
Open	Min./Max.	°C	–
Enclosed	Min./Max.	°C	–25/+50
Mounting position			As required
Mechanical shock resistance to IEC 60 068-2-27 (half-sinusoidal shock, duration 11 ms)		g	15
Terminal capacity			
Solid		AWG/mm^2	28 ... 12 / 2 × 1.5; 1 × 2.5
Stranded		AWG/mm^2	28 ... 12 / 2 × 0.5; 1 × 1.5
Dimensions			→ Page 05/083
Contacts			
Rated impulse withstand voltage U_{imp}		V	4000
Rated insulation voltage U_i		V	250
Overvoltage category/ pollution degree			III/3

RMQ Titan
Dimensions

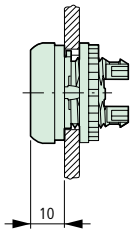
Pushbutton operators and indicating lights



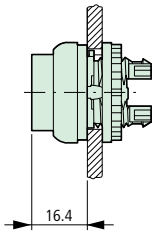


Pushbutton operators

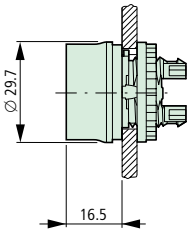
M22-D



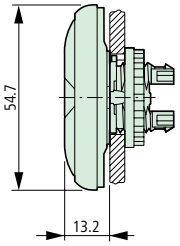
M22-DH



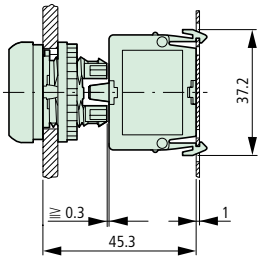
M22-DG



M22-DD

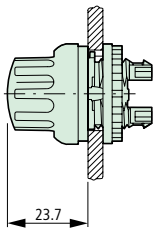


M22-D, base mounting

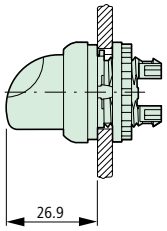


Selector switches

M22-W(R)...

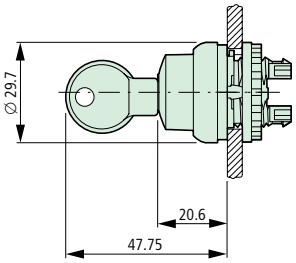


M22-W(R)K...
M22-W(R)LK...

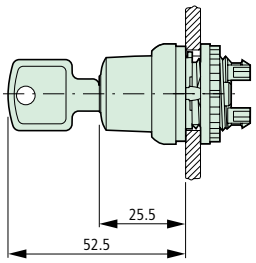


Key-released selector switches

Individual lock mechanisms
M22(S)-W(R)S-(MS...)

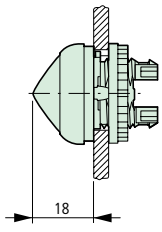


Master key systems
M22(S)-W(R)S-SA...

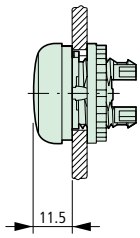


Indicating lights

M22-LH

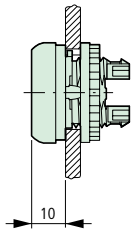


M22-L

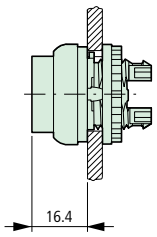


Illuminated pushbutton operators

M22-DL

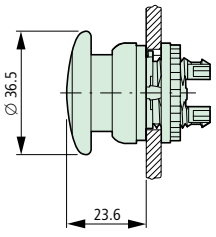


M22-DLH



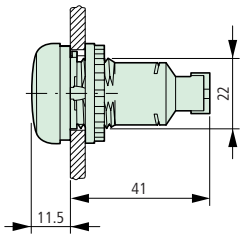
Mushroom-head operators

M22-DP

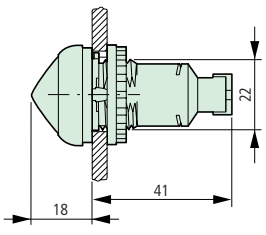


Compact indicating lights

M22-LC-..., M22-AM

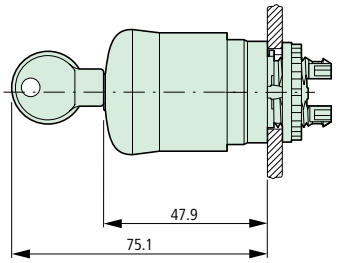


M22-LCH-...



Emergency-Stop operator

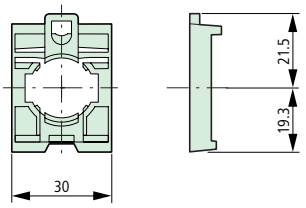
M22-PV, M22S-PV
M22-PVL, M22-PVS-...



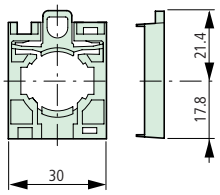
RMQ Titan
Dimensions

Front mounting (style: flush mounting)

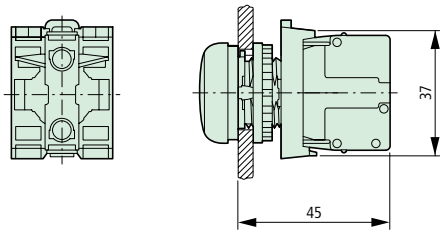
Mounting adapter
M22-A



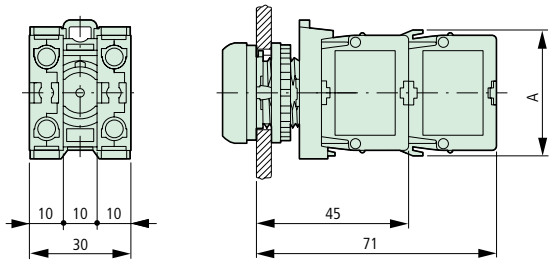
Centering adapter
M22-ZA



Indicating lights/illuminated pushbuttons

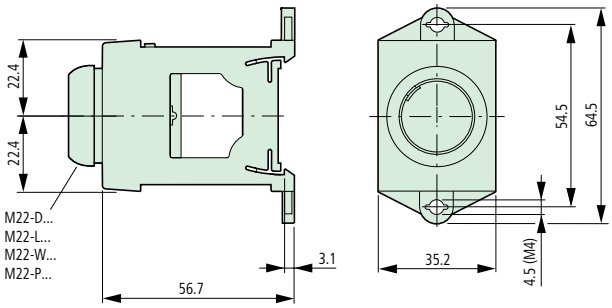


Pushbutton with M22-(C)K...

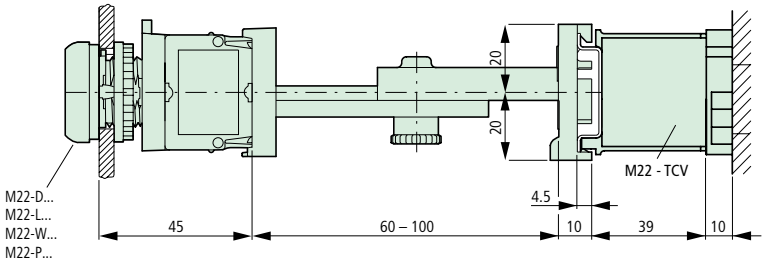


	1 × M22-K...	2 × M22-K...	1 × M22-CK...	2 × M22-CK...
A	37.2	37.2	39	39

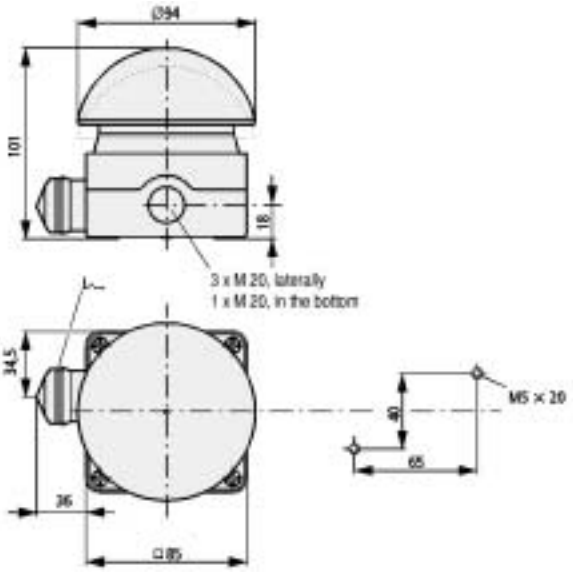
Surface mounting adapter



Pushbutton, illuminated pushbutton, indicating light
With telescopic clip



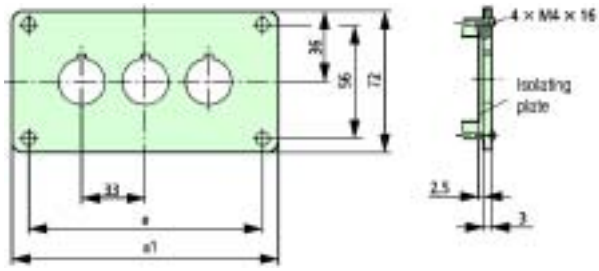
Foot and palm switches
FAK...



RMQ Titan
Dimensions

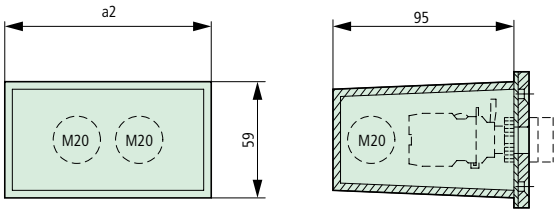
Front mounting (style: flush mounting)

Flush mounting panels M22-E...



Type	a1	e
E (Y) 1	72	56
E 2	105	89
E 3	138	122
E 4	171	155
E 5	204	188
E 6	237	221

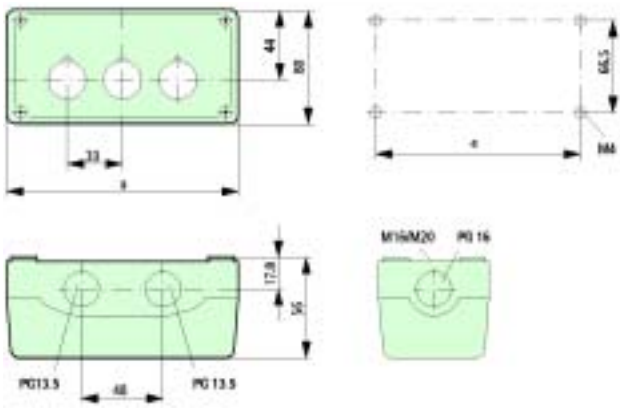
Shrouds M22-H...



Type	a2	Cable entry	Style
H 1	42	3 × M20	One-part
H 2	75	4 × M20	
H 3	108	4 × M20	
H 4	141	4 × M20	Multi-part
H 5	174	5 × M20	
H 6	207	6 × M20	

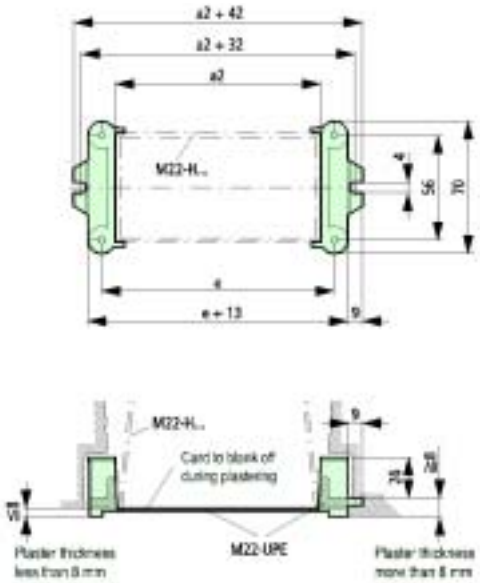
Base mounting (style: surface mounting)

Surface mounting enclosures M22-I...-PG

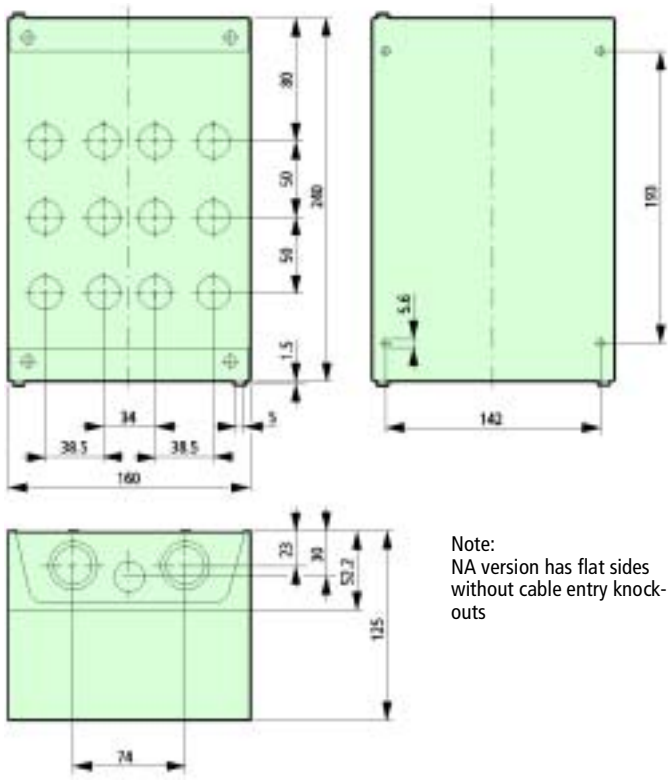


Type	Number of locations	a	e	Cable entries		
M22-I (Y) 1	1	72	58.5	2 × M16	1 × PG13.5	2 × PG16
M22-I2	2	120	106.5	2 × M16	1 × PG13.5	2 × PG16
M22-I3	3	153	139.5	2 × M16	2 × PG13.5	2 × PG16
M22-I4	4	186	172.5	2 × M16	2 × PG13.5	2 × PG16
M22-I6	6	252	238.5	2 × M16	2 × PG13.5	2 × PG16

Shroud with plaster keys M22-UPE



Surface mounting enclosures, 12 locations M22-I12-NA

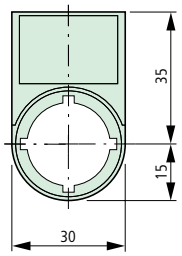


Note:
NA version has flat sides without cable entry knock-outs

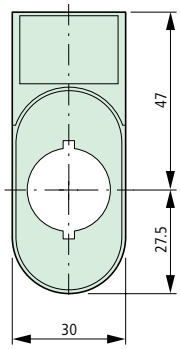
RMQ Titan
Dimensions

Legend plates

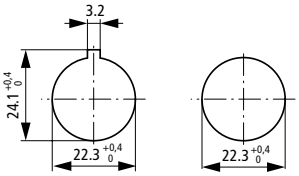
M22-ST



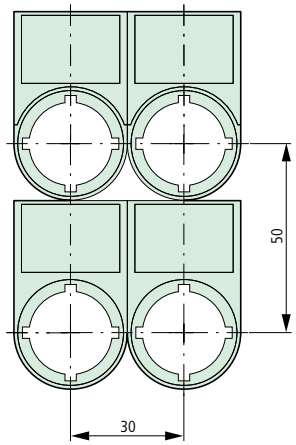
M22-STDD



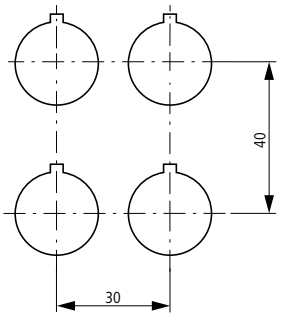
Mounting holes with/without lug slot



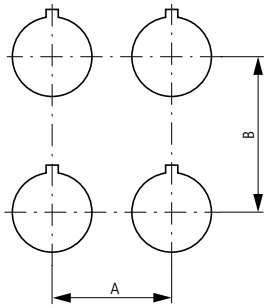
Grid dimensions to IEC/EN 60 947



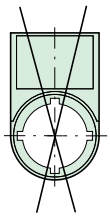
Minimum grid dimensions



Grid dimensions for various combinations

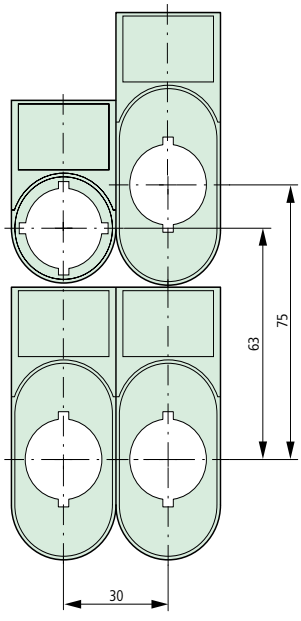


Do not use operator diaphragms with legend plates, since the legend plates do not comply with IP67.

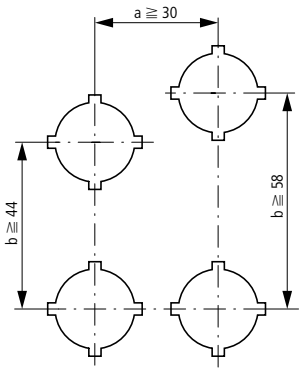


	A ≧	B ≧
IEC/EN 60 947	30	50
RMQ Titan min.	30	40
D + T-D	33	
DP	37	
D+DP	30	
PV	38	
PV+PL-PV	48	56
DDL	30	55
DDL+T-DD	33	58
DDL+STDD	30	75

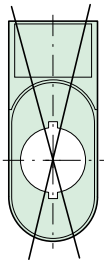
Grid dimensions for M22-DD...



Grid dimensions for DDL double pushbuttons plus MT-DD diaphragms



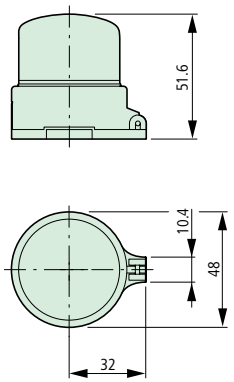
Do not use operator diaphragms with legend plates, since the legend plates do not comply with IP67.



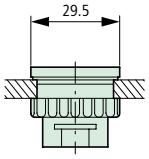
RMQ Titan
Dimensions

Accessories

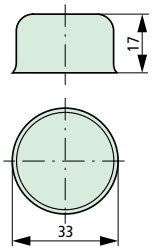
M22-PL-PV



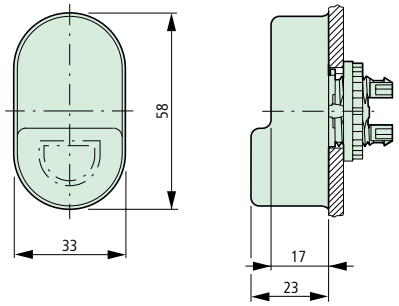
M22-B



M22-T-D

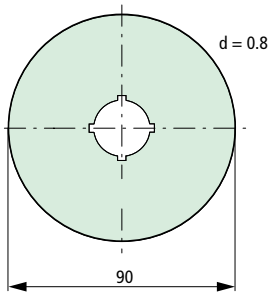


M22-T-DD

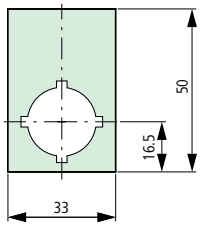


Emergency-Stop label

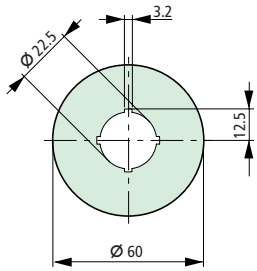
M22-XAK



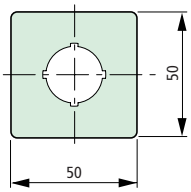
M22-XZK...



M22-XBK1



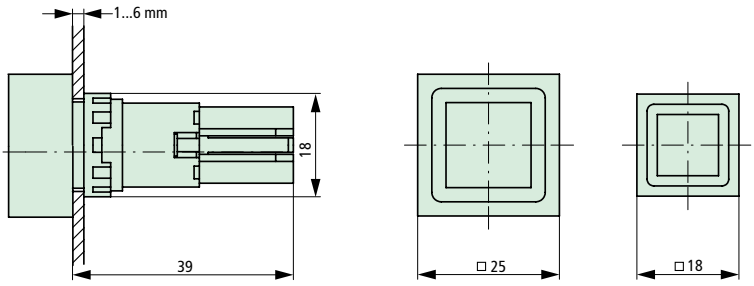
M22-XYK1



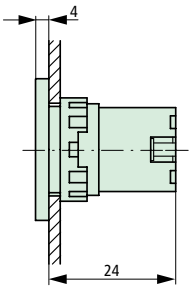
RMQ16
Dimensions

Pushbutton operators and indicating lights

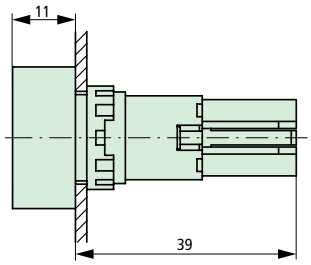
Square style



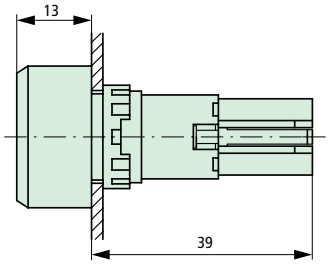
Q...BS



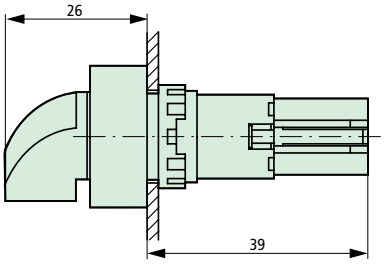
Q...D-...
Q...DR-...



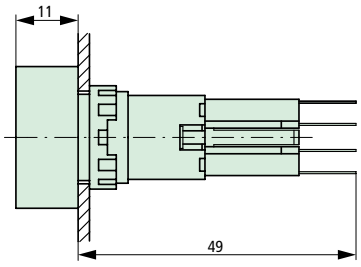
Q...S...



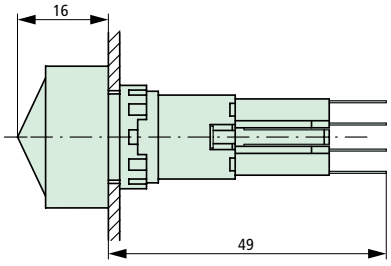
Q...WK...



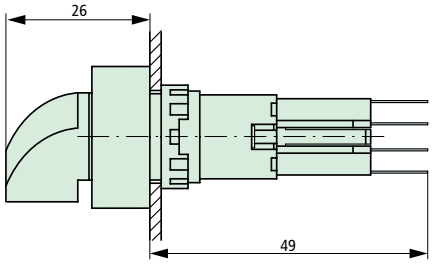
Q...LT-...
Q...LTR-...
Q...LF-...



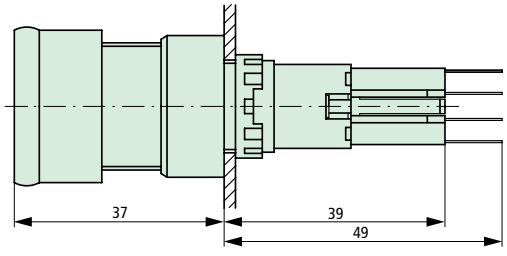
Q...LH-...

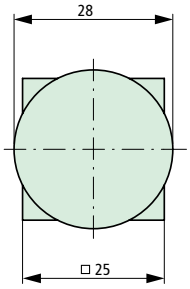


Q...LWK-...



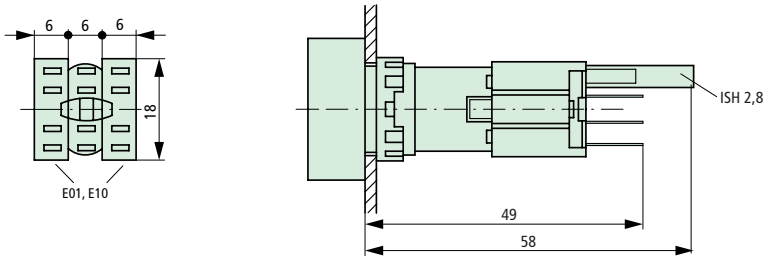
Q25PV
Q25LPV



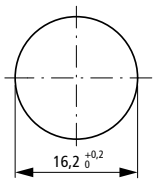


RMQ16
Dimensions

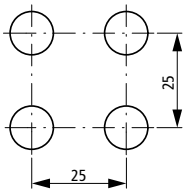
Front mounting



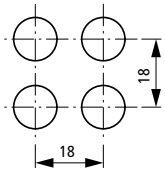
Drilling dimension



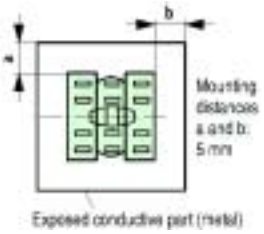
Grid dimensions to IEC/EN 60 947 Q25...



Minimum grid dimensions Q18...

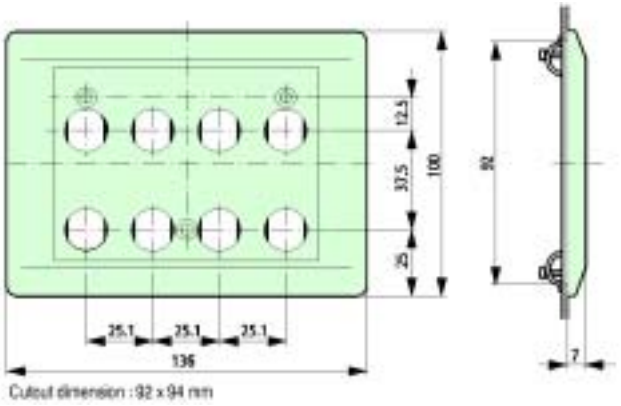


Mounting distances



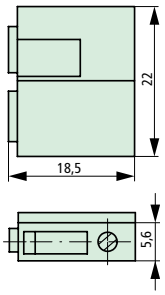
Flush mounting panels

E8/E8-SW



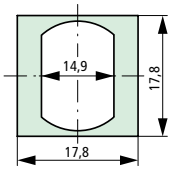
Screw adapter

SRA...



Anti-rotation feature

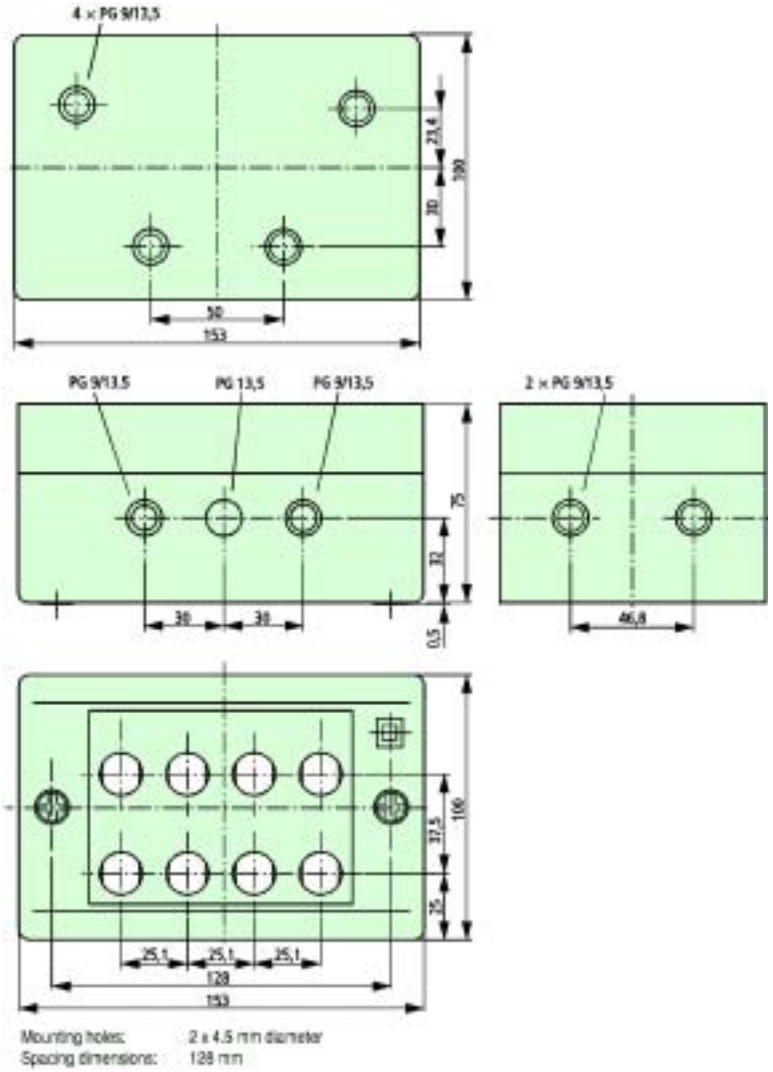
VS



RMQ16
Dimensions

Surface mounting enclosures

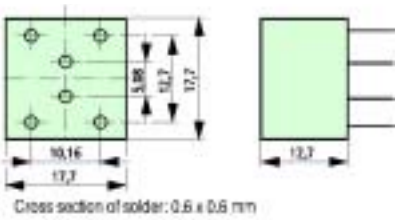
I8



Mounting holes: 2 x 4.5 mm diameter
Spacing dimensions: 128 mm

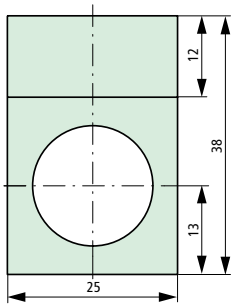
PCB adapter

PRA16



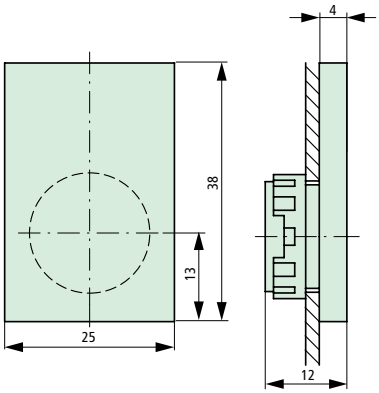
Legend plate

Q25TS-...



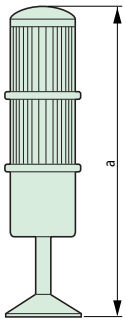
Blanking plate

Q25AS



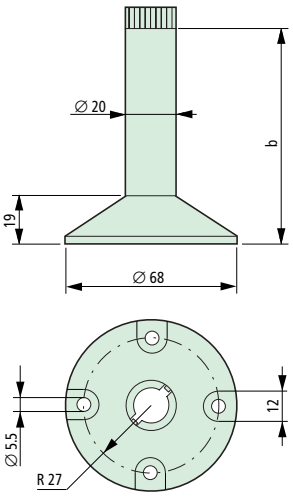
SL Signal Towers
Dimensions

SL-100-...complete units



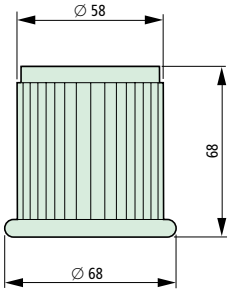
Number of modules	a
1	227
2	289
3	351
4	413
5	475

SL-F... base
With tube

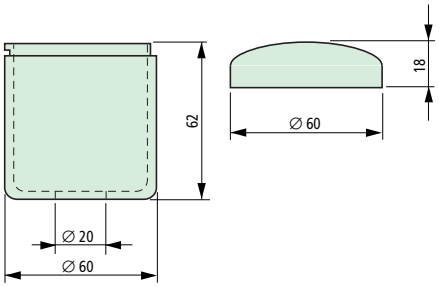
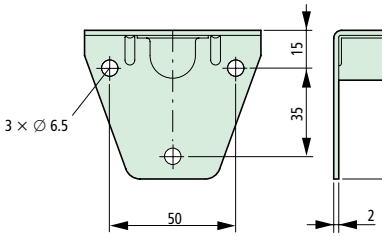
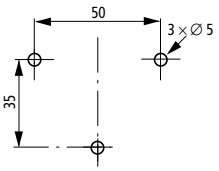
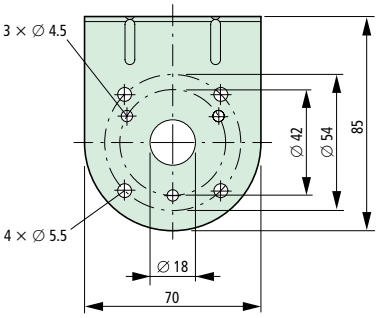


	b
SL-F100	85
SL-F250	235
SL-F400	402
SL-F800	802

SL-L-..., SL-FL...
SL-BL..., SL-A... modules



SL-B basic module
With top cover



SL-FW mounting bracket