16.2 mm Pushbuttons—RMQ-16



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Product Overview

Product Description

The RMQ-16 pushbutton line offers a wide array of functional and attractively designed illuminated and non-illuminated pushbuttons, selector switches, emergency stops and indicating lights. The illuminated line is offered with either incandescent or LED. RMQ-16 devices are designed with two front-of-panel operator sizes. The 18 x 18 mm or 25 x 25 mm square operators can help the user achieve over three times the information density compared with 22 mm ranges.

Features

- *Wide product breadth*: RMQ-16 offers illuminated and non-illuminated pushbuttons, keyed, non-keyed, and illuminated selector switches, emergency stops, and a large variety of accessories
- *Custom laser etching*: Hundreds of standard markings available in addition to infinite possible custom images with laser etching
- *High durability*: Pushbuttons and selector switches rated for 3 million mechanical operations
- *High information density*: Square operators (18 mm or 25 mm) allow for side-by-side mounting and achieve over three times the information density of typical 22 mm installations
- Laser etched operators
- Heavy-duty construction with IP65 on front of panel operators
- LED or incandescent illumination available
- Front-of-panel operators available in either 18 x 18 mm or 25 x 25 mm sizes
- Safety rated emergency stops (IEC 60947-5, positively driven contacts)
- Mounting diameter 16.2 mm to EN 50007

Standards and Certifications

- UL Listed
- CSA Certified
- IEC/EN 60947-5 VDE-0660
- IP65

RoHS COMPLIANT

Product Selection Guide

Pushbuttons




Description	Non-Illuminated	Illuminated
Product Selection	**Page V7-T1-26**	**Page V7-T1-27**

Indicating Lights




Description	Flush	Extended
Product Selection	**Page V7-T1-28**	**Page V7-T1-28**

Emergency Stops




Description	Non-Illuminated	Illuminated
Product Selection	**Page V7-T1-29**	**Page V7-T1-29**

Selector Switches





Description	Non-Illuminated	Illuminated	Keyed
Product Selection	**Page V7-T1-30**	**Page V7-T1-31**	**Page V7-T1-32**

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Pushbuttons—Non-Illuminated and Illuminated

Catalog Number Selection

Catalog Number Selection is for illustrative purposes only and not to be used to create new catalog numbers.

Pushbuttons—Non-Illuminated and Illuminated

Q 18 – DR – BL / WB

Face Plate	Operator Type	Button Plate	Bulb
18 = 18 x 18 mm **25** = 25 x 25 mm	**D** = Non-illuminated momentary **DR** = Non-illuminated maintained **LT** = Illuminated momentary **LTR** = Illuminated maintained	**GN** = Green **RT** = Red **SW** = Black **WS** = White **BL** = Blue **GE** = Yellow **X** = Without	**WB** = With incandescent bulb 24V

Product Selection

Non-Illuminated Pushbuttons

- Momentary or maintained
- Customizable laser etched pushbutton operators
- 18 mm or 25 mm square operator
- 3 million mechanical operations
- IEC/EN 60947-5
- IP65

Q18-D-GN



Non-Illuminated Pushbuttons

Type	Button Color	Catalog Number 18 x 18 mm	25 x 25 mm
Momentary	Green	**Q18D-GN**	**Q25D-GN**
	Red	**Q18D-RT**	**Q25D-RT**
	Black	**Q18D-SW**	**Q25D-SW**
	White	**Q18D-WS**	**Q25D-WS**
	Blue	**Q18D-BL**	**Q25D-BL**
	Yellow	**Q18D-GE**	**Q25D-GE**
	Without	**Q18D-X** ①	**Q25D-X** ①
Maintained	Green	**Q18DR-GN**	**Q25DR-GN**
	Red	**Q18DR-RT**	**Q25DR-RT**
	Black	**Q18DR-SW**	**Q25DR-SW**
	White	**Q18DR-WS**	**Q25DR-WS**
	Blue	**Q18DR-BL**	**Q25DR-BL**
	Yellow	**Q18DR-GE**	**Q25DR-GE**
	Without	**Q18DR-X** ①	**Q25DR-X** ①

Note

① To order separate button plates, see **Page V7-T1-36**.

Illuminated Pushbuttons

- Momentary or maintained
- LED or incandescent
- 18 mm or 25 mm square operator
- 3 million mechanical operations
- IEC/EN 60947-5
- IP65

Q18-LT-GE



Illuminated Pushbuttons Without Bulb ①

Type	Button Color	Catalog Number ② 18 x 18 mm	25 x 25 mm
Momentary	Green	**Q18LT-GN**	**Q25LT-GN**
	Red	**Q18LT-RT**	**Q25LT-RT**
	Black	**Q18LT-SW**	**Q25LT-SW**
	White	**Q18LT-WS**	**Q25LT-WS**
	Blue	**Q18LT-BL**	**Q25LT-BL**
	Yellow	**Q18LT-GE**	**Q25LT-GE**
Maintained	Green	**Q18LTR-GN**	**Q25LTR-GN**
	Red	**Q18LTR-RT**	**Q25LTR-RT**
	Black	**Q18LTR-SW**	**Q25LTR-SW**
	White	**Q18LTR-WS**	**Q25LTR-WS**
	Blue	**Q18LTR-BL**	**Q25LTR-BL**
	Yellow	**Q18LTR-GE**	**Q25LTR-GE**

Notes

① To order with incandescent 24V bulb, insert a **/WB** at the end of the catalog number. Example, Q18LT-GN**/WB**.

② For a complete selection of incandescent 24V bulbs and LEDs, see **Page V7-T1-34**.

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Indicating Lights

Catalog Number Selection

Catalog Number Selection is for illustrative purposes only and not to be used to create new catalog numbers.

Indicating Lights—Flush and Extended

Q 18 – LF – WS / WB

Face Plate	Bezel	Button Plate	Bulb
18 = 18 x 18 mm **25** = 25 x 25 mm	**LF** = Flush indicator light **LH** = Extended indicator light	**GN** = Green **RT** = Red **WS** = White **BL** = Blue **GE** = Yellow	**WB** = With incandescent bulb 24V

Product Selection

Indicating Lights

- LED or incandescent
- Flush and extended lenses
- 18 mm or 25 mm square operator
- 3 million mechanical operations
- IEC/EN 60947-5
- IP65

Indicating Lights Without Bulb ①

Type	Button Color	Catalog Number ② 18 x 18 mm	25 x 25 mm
Q18-LF-GE  Flush	Green	**Q18LF-GN**	**Q25LF-GN**
	Red	**Q18LF-RT**	**Q25LF-RT**
	White	**Q18LF-WS**	**Q25LF-WS**
	Blue	**Q18LF-BL**	**Q25LF-BL**
	Yellow	**Q18LF-GE**	**Q25LF-GE**
Q18-LH-BL  Extended.	Green	**Q18LH-GN**	**Q25LH-GN**
	Red	**Q18LH-RT**	**Q25LH-RT**
	White	**Q18LH-WS**	**Q25LH-WS**
	Blue	**Q18LH-BL**	**Q25LH-BL**
	Yellow	**Q18LH-GE**	**Q25LH-GE**

Notes

① To order with incandescent 24V bulb, insert a **/WB** at the end of the catalog number. Example, Q18-LF-GN**/WB**.

② For a complete selection of incandescent 24V bulbs and LEDs, see **Page V7-T1-34**.

Emergency Stops

Catalog Number Selection

Catalog Number Selection is for illustrative purposes only and not to be used to create new catalog numbers.

Emergency Stops—Non-Illuminated and Illuminated

Q 25 – LPV – S

Face Plate
25 = 25 x 25 mm

Operator Type
PV = Emergency stop
LPV = Emergency stop (illuminated)

Color
Blank = Red
S = Black

Product Selection

Emergency Stops

- Push/pull operation
- Illuminated or non-illuminated
- Emergency stop (red) or Machine stop (black) available
- Suitable for use in safety applications
- IEC/EN 60947-5
- IP65

Q25PV



Emergency Stops—Non-Illuminated

Button Color	Catalog Number 25 x 25 mm
Red	**Q25PV**
Black	**Q25PV-S**

Q25LPV



Emergency Stops—Illuminated ①

Button Color	Catalog Number 25 x 25 mm
Red	**Q25LPV**
Black	**Q25LPV-S**

Note

① Includes built-in multiple LED 24 Vdc.

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Selector Switches—Non-Illuminated, Illuminated and Keyed

Catalog Number Selection

Catalog Number Selection is for illustrative purposes only and not to be used to create new catalog numbers.

Selector Switches—Non-Illuminated

Q 18 – WK1R

Face Plate
18 = 18 x 18 mm
25 = 25 x 25 mm

Selector Positions
WK1 = Two positions momentary
WK3 = Three positions momentary
WK1R = Two positions maintained
WK3R = Three positions maintained
WK3R1 = Three positions maintained/momentary
WK3R2 = Three positions momentary/maintained

Product Selection

Non-Illuminated Selector Switches

- Momentary or maintained
- 18 mm or 25 mm square operator
- VS Anti-rotation feature
- 3 million mechanical operations
- IP65

Q18WK1



Selector Switches—Non-Illuminated

Function	Position	Switch Position	Catalog Number 18 x 18 mm	Catalog Number 25 x 25 mm
Momentary	2		**Q18WK1**	**Q25WK1**
Maintained			**Q18WK1R**	**Q25WK1R**
Momentary	3		**Q18WK3**	**Q25WK3**
Maintained			**Q18WK3R**	**Q25WK3R**
Maintained/momentary			**Q18WK3R1**	**Q25WK3R1**
Momentary/maintained			**Q18WK3R2**	**Q25WK3R2**

Catalog Number Selection

Catalog Number Selection is for illustrative purposes only and not to be used to create new catalog numbers.

Selector Switches—Illuminated

Q 18 – LWK1 – WS / WB

Face Plate
18 = 18 x 18 mm
25 = 25 x 25 mm

Switch Positions
LWK1 = Two positions momentary
LWK3 = Three positions momentary
LWK1R = Two positions maintained
LWK3R = Three positions maintained
LWK3R1 = Three positions maintained/momentary
LWK3R2 = Three positions momentary/maintained

Button Plate	
GN = Green	**WS** = White
RT = Red	

Bulb
WB = With incandescent bulb 24V

Product Selection

Illuminated Selector Switches

- LED or incandescent
- Momentary or maintained
- 18 mm or 25 mm square operator
- VS Anti-rotation feature
- 3 million mechanical operations
- IP65

Q18LWK1-GN



Selector Switches—Illuminated without Bulb ①

Function	Position	Button Color	Switch Position	Catalog Number ② 18 x 18 mm	25 x 25 mm
Momentary	2	Green		**Q18LWK1-GN**	**Q25LWK1-GN**
		Red		**Q18LWK1-RT**	**Q25LWK1-RT**
		White		**Q18LWK1-WS**	**Q25LWK1-WS**
Maintained		Green		**Q18LWK1R-GN**	**Q25LWK1R-GN**
		Red		**Q18LWK1R-RT**	**Q25LWK1R-RT**
		White		**Q18LWK1R-WS**	**Q25LWK1R-WS**
Momentary	3	Green		**Q18LWK3-GN**	**Q25LWK3-GN**
		Red		**Q18LWK3-RT**	**Q25LWK3-RT**
		White		**Q18LWK3-WS**	**Q25LWK3-WS**
Maintained		Green		**Q18LWK3R-GN**	**Q25LWK3R-GN**
		Red		**Q18LWK3R-RT**	**Q25LWK3R-RT**
		White		**Q18LWK3R-WS**	**Q25LWK3R-WS**
Maintained/ momentary		Green		**Q18LWK3R1-GN**	**Q25LWK3R1-GN**
		Red		**Q18LWK3R1-RT**	**Q25LWK3R1-RT**
		White		**Q18LWK3R1-WS**	**Q25LWK3R1-WS**
Momentary/ maintained		Green		**Q18LWK3R2-GN**	**Q25LWK3R2-GN**
		Red		**Q18LWK3R2-RT**	**Q25LWK3R2-RT**
		White		**Q18LWK3R2-WS**	**Q25LWK3R2-WS**

Notes

① To order with incandescent 24V bulb, insert a **/WB** at the end of the catalog number. Example, Q18LWK1-GN**/WB**.

② For a complete selection of incandescent 24V bulbs and LEDs, see **Page V7-T1-34**.

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Catalog Number Selection

Catalog Number Selection is for illustrative purposes only and not to be used to create new catalog numbers.

Keyed Selector Switches—Two- and Three-Position

Q 18 – S1 – A1 – WS

Face Plate	Switch Positions	Key Code	Color
18 = 18 x 18 mm **25** = 25 x 25 mm	**S1** = Two positions momentary **S1R** = Two positions maintained **S3** = Three positions momentary **S3R** = Three positions maintained	**A1**–**A7** = Switch and key removal positions (detailed below)	**GN** = Green **RT** = Red **SW** = Black **WS** = White **BL** = Blue

Product Selection

Keyed Selector Switches

- 5 color options
- Momentary or maintained
- 18 mm or 25 mm square operator
- VS Anti-rotation feature
- 3 million mechanical operations
- IP65

Q18S1



Keyed Selector Switches—Two-Position

Function	Button Color	Switch Position	Key Removal Position ①	Catalog Number 18 x 18 mm	25 x 25 mm
Momentary	Black		0	**Q18S1**	**Q25S1**
Maintained	Black		0	**Q18S1R**	**Q25S1R**
Maintained	Black		0	**Q18S1R-A1**	**Q25S1R-A1**

Keyed Selector Switches—Three-Position

Function	Button Color	Switch Position	Key Removal Position ①	Catalog Number 18 x 18 mm	25 x 25 mm
Momentary	Black		0	**Q18S3**	**Q25S3**
Maintained			0, II	**Q18S3R**	**Q25S3R**
Maintained			0	**Q18S3R-A1**	**Q25S3R-A1**
			I, 0	**Q18S3R-A2**	**Q25S3R-A2**
			0, II	**Q18S3R-A3**	**Q25S3R-A3**
Maintained/ momentary			I, 0	**Q18S3R-A4**	**Q25S3R-A4**
			0	**Q18S3R-A5**	**Q25S3R-A5**
Momentary/ maintained			0, II	**Q18S3R-A6**	**Q25S3R-A6**
			0	**Q18S3R-A7**	**Q25S3R-A7**

Note

① I = Key is removed at the left.
0 = Key is removed at the center.
II = Key is removed at the right.

Q18S1-BL



Keyed Selector Switches, Multicolor—Two-Position

Function	Button Color	Switch Position	Key Removal Position ①	Catalog Number 18 x 18 mm	25 x 25 mm
Momentary	Green		0	Q18S1-GN	Q25S1-GN
	Red			Q18S1-RT	Q25S1-RT
	White			Q18S1-WS	Q25S1-WS
	Blue			Q18S1-BL	Q25S1-BL
Maintained	Green		0	Q18S1R-GN	Q25S1R-GN
	Red			Q18S1R-RT	Q25S1R-RT
	White			Q18S1R-WS	Q25S1R-WS
	Blue			Q18S1R-BL	Q25S1R-BL

Q18S3-RT



Keyed Selector Switches, Multicolor—Three-Position

Function	Button Color	Switch Position	Key Removal Position ①	Catalog Number 18 x 18 mm	25 x 25 mm
Momentary	Green		0	Q18S3-GN	Q25S3-GN
	Red			Q18S3-RT	Q25S3-RT
	White			Q18S3-WS	Q25S3-WS
	Blue			Q18S3-BL	Q25S3-BL
Maintained	Green		0, II	Q18S3R-GN	Q25S3R-GN
	Red			Q18S3R-RT	Q25S3R-RT
	White			Q18S3R-WS	Q25S3R-WS
	Blue			Q18S3R-BL	Q25S3R-BL

Note

① I = Key is removed at the left.
0 = Key is removed at the center.
II = Key is removed at the right.

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Accessories

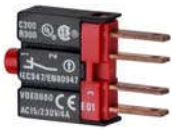
Contact Elements

E10



Feature	Catalog Number
Normally open (N/O)	**E10**

E01



Feature	Catalog Number
Normally closed (N/C)	**E01**

Screw Adapter

SRA10



Feature	Catalog Number
Normally open (N/O)	**SRA10**
Normally closed (N/C)	**SRA01**
Lamp sockets	**SRAL**

Incandescent 24V Bulbs

WBGL6



Voltage	Current	Color	Catalog Number
6V	1W	White	**WBGL6**
12V			**WBGL12**
24–28V			**WBGL24**

LEDs (AC/DC)

WBLED-GN6



Voltage	Current	Color	Catalog Number
Multiple Chip LED			
6V	45 mA	Green	**WBLED-GN6**
12V	24 mA		**WBLED-GN12**
6V	45 mA	Red	**WBLED-RT6**
12V	24 mA		**WBLED-RT12**
6V	45 mA	Yellow	**WBLED-GE6**
12V	24 mA		**WBLED-GE12**
Single Chip LED ①			
18–30V	7–12.5 mA	Green	**LEDWB-G**
		Red	**LEDWB-R**
		White	**LEDWB-W**
		Blue	**LEDWB-B**
		Yellow	**LEDWB-Y**

Insulated Ferrule

ISH2,8



Description	Catalog Number
Insulated ferrule	**ISH2,8**

Combination Box Spanner

R16-MS



Description	Catalog Number
Mounting ring tool	**16-MS**

Anti-Rotation Tab

VS



Description	Catalog Number
Guard ring	**VS**

Housing

E8-SW



Description	Color	Catalog Number
Surface mount enclosure	White	**I8**
Flush mount panel	White	**E8**
	Black	**E8-SW**

Blanking Plug

Q18BS



Size	Catalog Number
18 x 18 mm	**Q18BS**
25 x 25 mm	**Q25BS**

Cover Plate

Q25AGR

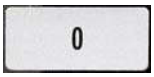


Size	Color	Catalog Number
25 x 38 mm	Black	**Q25AS**
	Gray	**Q25AGR**

Note

① Positive pole to X1. Integral suppressor circuit up to 1000V.

02SQ25



Insert Plate

Size		Catalog Number
10 x 22 mm	BLANK	**02SQ25**

Q25TS-X



Legend Plate

Size	Color	Catalog Number
25 x 38 mm	Black	**Q25TS-X**
	Gray	**Q25TGR-X**

Q25TS_



Legend Plate—Complete

Size	Etching			Catalog Number
25 x 38	START			**Q25TS-111**
	STOP			**Q25TS-110**
	FAULT			**Q25TS-250**
	HAND	0	AUTO	**Q25TS-197**
	MAN	0	AUTO	**Q25TS-397**
		0		**Q25TS-10**
		I		**Q25TS-11**
		0	I	**Q25TS-90**
	I	0	II	**Q25TS-93**

SQT11



SRT11



Emergency Stop Labels

Type	Feature	Catalog Number
Square	4 Languages	**SQT11**
	Blank	**SQT-GE**
Circle	4 Languages	**SRT11**
	Blank	**SRT-GE**

Extra Keys

ES16



Codes for Extra Keys

Color	Catalog Number
Green	**ES16-GN**
Red	**ES16-RT**
Black	**ES16**
White	**ES16-WS**
Blue	**ES16-BL**

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Button Plates



Button Plates

Type	Color	Etching	Catalog Number
18 x 18 mm	Black	—	**01TQ18**
		CUSTOM	**01TQ18-ETCH**
		I	**21TQ18**
		O	**19TQ18**
	White	—	**02TQ18**
		CUSTOM	**02TQ18-ETCH**
		I	**20TQ18**
	Green	—	**03TQ18**
		CUSTOM	**03TQ18-ETCH**
		I	**11TQ18**
	Red	—	**04TQ18**
		CUSTOM	**04TQ18-ETCH**
		O	**10TQ18**
	Yellow	—	**05TQ18**
		CUSTOM	**05TQ18-ETCH**
	Blue	—	**06TQ18**
		CUSTOM	**06TQ18-ETCH**

Type	Color	Etching	Catalog Number
25 x 25 mm	Black	—	**01TQ25**
		CUSTOM	**01TQ25-ETCH**
		I	**21TQ25**
		O	**19TQ25**
		"STOP"	**112TQ25**
		"ON"	**221TQ25**
	White	—	**02TQ25**
		CUSTOM	**02TQ25-ETCH**
		I	**20TQ25**
	Green	—	**03TQ25**
		CUSTOM	**03TQ25-ETCH**
		"START"	**111TQ25**
		I	**11TQ25**
	Red	—	**04TQ25**
		CUSTOM	**04TQ25-ETCH**
		"STOP"	**110TQ25**
		O	**10TQ25**
		"OFF"	**217TQ25**
	Yellow	—	**05TQ25**
		CUSTOM	**05TQ25-ETCH**
	Blue	—	**06TQ25**
		CUSTOM	**06TQ25-ETCH**

Instructions for Ordering Laser Inscriptions

1. Identify part number to be inscribed.
2. Pick symbol from library and identify suffix code associated with the symbol.
3. Order part number already listed in the catalog with -ETCH suffix.
4. When placing an order by fax or Vistaline on the web, reference order item number and indicate appropriate symbol code or desired text.

Example

To order a 25 mm green flush button plate with the inscription AUTO HAND:

Order Catalog Number **03TQ25-ETCH**.
AUTO HAND inscription is found on **Page V7-T1-127** in the M22 Symbols Library, suffix code is **X91**.
In the order notes, reference item number and suffix **X91**.

Note: For a complete list of available symbols, see **Pages V7-T1-124** to **V7-T1-130**, M22 Symbols Library.

Technical Data and Specifications

RMQ-16

Description	Unit	Specification Contact Elements	Illuminated Pushbutton Operators (Maintained)	Illuminated Selector Switches	Indicating Lights
General Technical Data					
Standards			UL, CSA, IEC/EN 60 947, VDE 0660, CE		
Lifespan, mechanical (operations)	x 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	°C	–25 to 60	–25 to 60	–25 to 60	–25 to 60
Enclosed	°C	–25 to 40	–25 to 40	–25 to 40	–25 to 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 mm x 0.8 mm to DIN 46 244		
Ferrule			2.8 mm x 0.8 mm to DIN 46 247 and IEC 60 760		
Dimensions		See **Page V7-T1-39**	See **Page V7-T1-39**	See **Page V7-T1-39**	See **Page V7-T1-39**
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
Rated operational voltage U_e (max.)	V	250	24	24	24
Rated operational current I_e (max.)	A	4	—	—	—
Control circuit reliability at					
24 Vdc/5 mA (Fault probability Hr)			<10^{-7}, <1 fault in 10^7 operations		
5 Vdc/1 mA (Fault probability Hr)			<5 x 10^{-6}, < fault in 5 x 10^6 operations		
Use of insulated ferrule ISH 2.8					
From U_e		>24 Vac/dc recommended	>24 Vac/dc recommended	>24 Vac/dc recommended	>24 Vac/dc recommended
From U_e			>50 Vac or 120 Vdc 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					
24V	A	4	—	—	—
48V	A	4	—	—	—
110V	A	4	—	—	—
230V	A	4	—	—	—
DC-13					
24V	A	3	—	—	—
42V	A	1.0	—	—	—
60V	A	0.8	—	—	—
110V	A	0.5	—	—	—
220V	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		0.110 x 0.032 in	0.110 x 0.032 in	0.110 x 0.032 in	0.110 x 0.032 in
Fast-on connector			0.110 x 0.032 in AMP #60 197-1, 62 050-1 or equivalent		
Rated voltage maximum AC	Vac	300	24	24	24
Contact rating code AC		E10/E01	C300/Q300	—	—	—
Thermal continuous test current	A	2.5	—	—	—
Rated voltage maximum DC	Vdc	300	—	—	—
Contact rating code DC		E10/E01	C300/R300	—	—	—
Thermal continuous test current	A	2.5	—	—	—

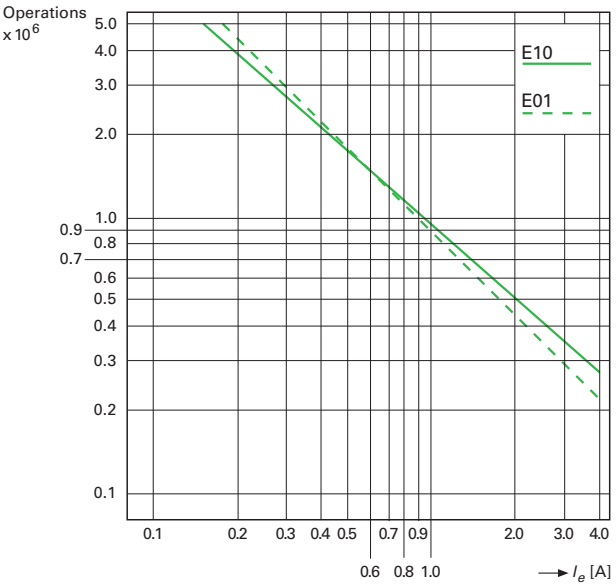
1

RMQ-16, continued

Description	Unit	Specification Pushbutton Operators (Maintained)	Selector Switches	Key-Released Operators	Emergency Stop Operators	Emergency Stop Operators (Illuminated) ①
General Technical Data						
Standards				UL, CSA, IEC/EN 60 947, VDE 0660, CE		
Lifespan, mechanical (operations)	x 10^5	30 (3)	3	3	0.5	0.5
Maximum operating frequency	Ops/h	3600 (1800)	1800	1800	600	600
Operating force	N	4	—	—	25	25
Operating torque	Nm	—	≦ 0.2	≦ 0.4	—	—
Degree of protection to IEC/EN 60 529		IP65	IP65	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	°C	–25 to 60	–25 to 60	–25 to 60	–25 to 60	–25 to 60
Enclosed	°C	–25 to 40	–25 to 40	–25 to 40	–25 to 40	–25 to 40
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	40	40	40	40	40
Terminal capacity (min./max.)	mm^2	—	—	—	—	0.5/1.0
Blade terminal		—	—	—	—	2.8 x 0.8 mm
Ferrule		—	—	—	—	2.8 x 0.8 mm
Dimensions		See **Page V7-T1-39**	See **Page V7-T1-39**	See **Page V7-T1-39**	See **Page V7-T1-39**	See **Page V7-T1-39**

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

I_e = Rated operational current



Note

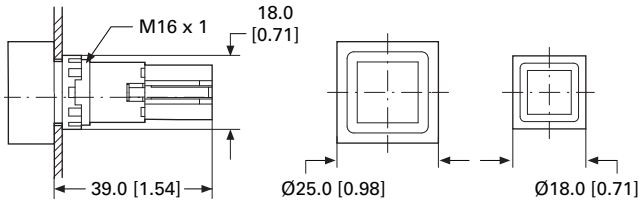
① See illuminated selector switches on **Page V7-T1-31** for contact values.

Dimensions

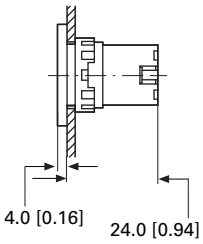
Approximate Dimensions in mm [in]

Actuating and Indicator Elements

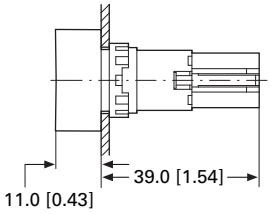
Square Style



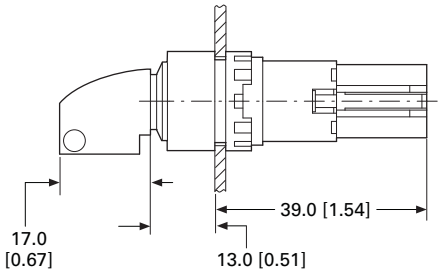
Q...BS



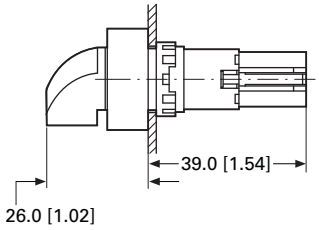
Q...D-_, Q...DR-_



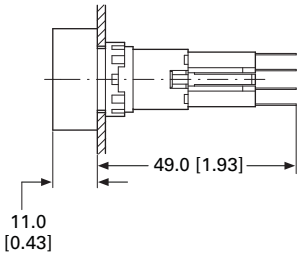
Q...S_



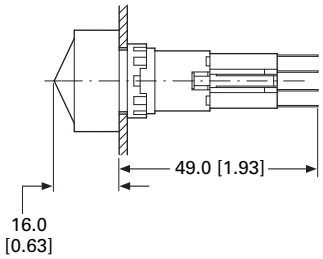
Q...WK_



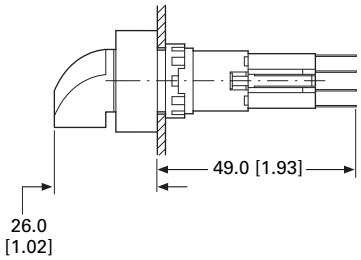
Q...LT-_, Q...LTR-_, Q...LF-_



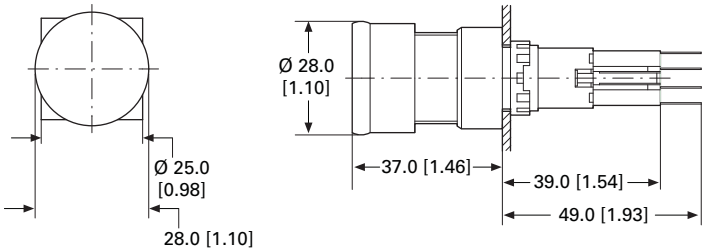
Q...LH-_



Q...LWK_



Q25PV_, Q25LPV_

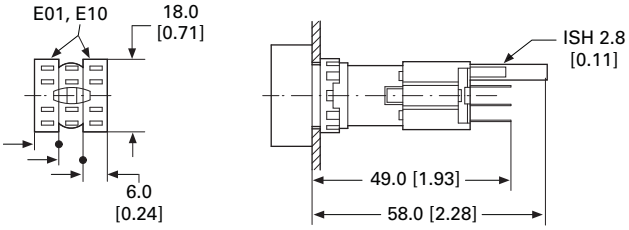


1

Approximate Dimensions in mm [in]

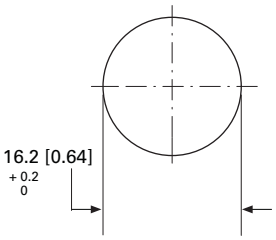
Front Fixing

Q18, Q25, E89, SRA, VS, M16



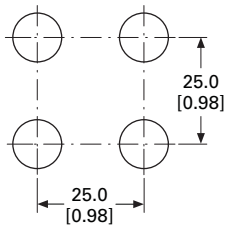
Drilling Dimensions

Drilling



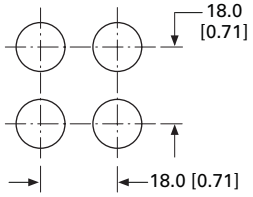
Grid Dimension to IEC/EN 60947

Q25



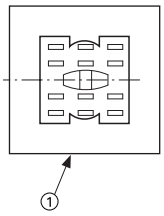
Minimum Grid Spacing Dimension

Q18



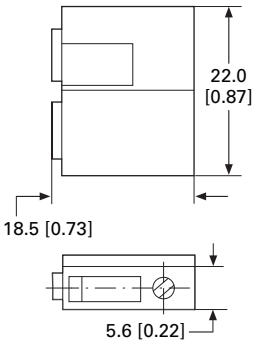
Mounting Distance

Mounting



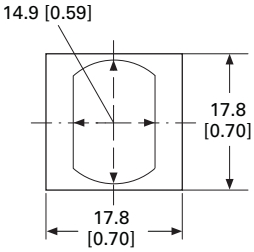
RMQ Screw Adapter

SRA_



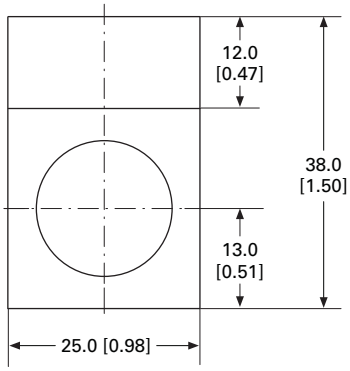
Anti-Rotation Feature

VS



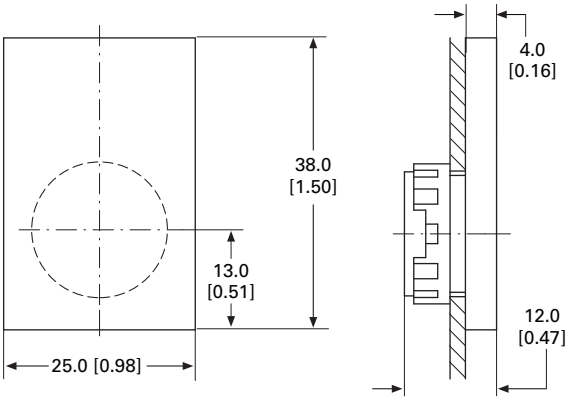
RMQ-16 Label Mount

Q25TS-_



Blanking Plates

Q25AS



Note

① Exposed conductive part (metal).