

Emergency-stop pushbutton, illuminated

Part no. **Q25LPV**
072371

General specifications	
Product name	Eaton Moeller® series RMQ16 Emergency stop/emergency switching off pushbutton
Part no.	Q25LPV
EAN	4015080723714
Product Length/Depth	85 millimetre
Product height	28 millimetre
Product width	28 millimetre
Product weight	0.033 kilogram
Certifications	CSA-C22.2 No. 14-05 CSA Class No.: 3211-03 CSA File No.: 46552 UL UL Category Control No.: NKCR CE IEC/EN 60947-5 CSA IEC/EN 60947 UL File No.: E29184 UL 508
Product Tradename	RMQ16
Product Type	Emergency stop/emergency switching off pushbutton
Product Sub Type	None
Catalog Notes	No bulb replacement required. Positive pole at X1 Pushbutton remains in pushed position Use of insulated ferrule ISH 2,8 > 24 V AC/DC recommended Use of insulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unused blade terminals
Features & Functions	
Bezel color	Other
Bezel material	Other
Design	Mushroom-shaped
Features	Tamper-proof (according to ISO 13850, EN 418)
Illumination	Illuminated
Unlocking method	Pull-release
General information	
Degree of protection	IP65 NEMA 1
Lifespan, mechanical	100,000 Operations
Opening diameter	16 mm
Operating frequency	600 Operations/h
Overvoltage category	III
Pollution degree	3
Product category	RMQ16
Size	Front dimensions: 25 × 25 mm
Rated impulse withstand voltage (Uimp)	800 V AC
Suitable for	Illumination Emergency stop
Terminal capacity	0.5 - 1.0 mm ²
Terminal size	2.8 x 0.8 mm to DIN 46244, Blade terminal 2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors
Type	Controlled stop pushbutton/emergency-stop button
Ambient conditions, mechanical	
Mounting position	As required
Shock resistance	40 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms

		Mechanical, According to IEC/EN 60068-2-27
Climatic environmental conditions		
Ambient operating temperature - min		-25 °C
Ambient operating temperature - max		60 °C
Ambient operating temperature (enclosed) - min		25 °C
Ambient operating temperature (enclosed) - max		40 °C
Climatic proofing		Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
Electrical rating		
Rated insulation voltage (Ui)		250 V
Rated operational voltage (Ue) at AC - max		24 V
Actuator		
Actuating force		25 N
Actuator color		Red
Actuator diameter		28 mm
Actuator function		Switching function latching Spring-return Pull-to-release
Contacts		
Control circuit reliability		1 failure per 10,000,000 switching operations (Statistically determined, at 24 V DC/5 mA) 1 failure per 5,000,000 switching operations (statistically determined, at 5 V DC/1 mA)
Communication		
Connection to SmartWire-DT		No
Design verification		
Equipment heat dissipation, current-dependent Pvid		0 W
Heat dissipation capacity Pdis		0 W
Heat dissipation per pole, current-dependent Pvid		0 W
Rated operational current for specified heat dissipation (In)		0 A
Static heat dissipation, non-current-dependent Pvs		0.36 W
10.2.2 Corrosion resistance		Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures		Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat		Meets the product standard's requirements.
10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects		Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation		Please enquire
10.2.5 Lifting		Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact		Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions		Meets the product standard's requirements.
10.3 Degree of protection of assemblies		Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances		Meets the product standard's requirements.
10.5 Protection against electric shock		Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components		Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections		Is the panel builder's responsibility.
10.8 Connections for external conductors		Is the panel builder's responsibility.
10.9.2 Power-frequency electric strength		Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage		Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material		Is the panel builder's responsibility.
10.10 Temperature rise		The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating		Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility		Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function		The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / Front element for mushroom push-button (EC001038)

Colour button			Red
Construction type lens			Round
Diameter cap		mm	28
Hole diameter		mm	16
Width opening		mm	0
Height opening		mm	0
Degree of protection (IP)			IP65
Degree of protection (NEMA)			1
Type of button			High
Suitable for illumination			Yes
With lighting			No
Supply voltage lamp		V	0
Switching function latching			Yes
Spring-return			Yes
With front ring			No
Material front ring			Other
Colour front ring			Other
Suitable for emergency stop			Yes
Unlocking method			Pull-release