

## Illuminated pushbutton actuator, red, momentary

**Part no.**                    **Q25LT-RT**  
**086238**

<b>General specifications</b>	
Product name	Eaton Moeller® series RMQ16 Illuminated pushbutton actuator
Part no.	Q25LT-RT
EAN	4015080862383
Product Length/Depth	59 millimetre
Product height	25 millimetre
Product width	25 millimetre
Product weight	0.011 kilogram
Certifications	CSA-C22.2 No. 14-05 UL Category Control No.: NKCR CE IEC/EN 60947-5 IEC/EN 60947 CSA File No.: 46552 CSA Class No.: 3211-03 UL 508 CSA UL UL File No.: E29184
Product Tradename	RMQ16
Product Type	Illuminated pushbutton actuator
Product Sub Type	None
Catalog Notes	Filament bulb or LED needs to be ordered separately
<b>Features &amp; Functions</b>	
Bezel color	Black
Bezel material	Plastic
Design	Flat
Inscription	Blank
<b>General information</b>	
Degree of protection	IP65 NEMA 1
Degree of protection (front side)	IP65 NEMA 1
Lifespan, mechanical	3,000,000 Operations
Opening diameter	16 mm
Operating frequency	3600 Operations/h
Overvoltage category	III
Pollution degree	3
Product category	RMQ16
Size	Front dimensions: 25 x 25 mm
Rated impulse withstand voltage (Uimp)	800 V AC
Suitable for	Illumination
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	Illuminated pushbutton actuator
<b>Ambient conditions, mechanical</b>	
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
<b>Climatic environmental conditions</b>	
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
<b>Electrical rating</b>			
Rated insulation voltage (Ui)			250 V
Rated operational voltage (Ue) at AC - max			24 V
<b>Actuator</b>			
Actuating force			4 N
Actuator color			Red
Actuator function			Momentary Spring-return
<b>Contacts</b>			
Control circuit reliability			1 failure per 5,000,000 switching operations (statistically determined, at 5 V DC/1 mA) 1 failure per 10,000,000 switching operations (Statistically determined, at 24 V DC/5 mA)
<b>Communication</b>			
Connection to SmartWire-DT			No
<b>Design verification</b>			
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 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			Not applicable.
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 push button (EC000221)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for push-button actuators (ecl@ss13-27-37-12-10 [AKF028019])			
Colour button			Red
Number of command positions			1
Construction type lens			Square
Hole diameter		mm	16
Width opening		mm	0
Height opening		mm	0

Type of button			Flat
Suitable for illumination			Yes
With protective cover			No
Labelled			No
Switching function latching			No
Spring-return			Yes
With front ring			No
Material front ring			Plastic
Colour front ring			Black
Degree of protection (IP), front side			IP65
Degree of protection (NEMA), front side			1