Illuminated pushbutton actuator, red, momentary, +filament lamp 24V



Part no. Q25LT-RT/WB 089998

Features & Functions Bezel color Bezel color Bezel material Design Fitted with: Inscription Begree of protection Degree of protection (front side) Degree of protecti	General specifications	
EAN Product Lamp's Open	Product name	Eaton Moeller® series RMQ16 Illuminated pushbutton actuator
Product Length Depth Product veright Product racinous Product Tracinous Product Trac	Part no.	Q25LT-RT/WB
Product beinght Product within Product within Product within Product within Carifications Carificati	EAN	4015080899983
Product width Product weight Conffications Conffications Confineations Confine	Product Length/Depth	59 millimetre
Product weight Certifications Certif	Product height	25 millimetre
Certifications CESA. Class No. 2211-43 CSA. Class No. 2211-45 CSA.	Product width	25 millimetre
U. 508 CSA Class No. 3211-03 CSA-C22 No. 14-05 CSA Class No. 3211-03 CSA-C22 No. 14-05 CSA-C22	Product weight	0.011 kilogram
Product Type Product Sub Type Catalog Notes	Certifications	UL 508 CSA Class No.: 3211-03 CSA-C22.2 No. 14-05 UL File No.: E29184 CE IEC/EN 60947-5 IEC/EN 60947 CSA File No.: 46552 UL Category Control No.: NKCR
Product Sub Type Catalog Notes Catalog Catalog Catalog Catalog Catalog Catalog Catalog Catalog Catal	Product Tradename	RMQ16
Catalog Notes Use of insulated ferrule ISH 2,8 > 24 V AC/DC recommended Use of insulated ferrule ISH 2,8 > 30 V AC or 120 V DC is mandatory, even on blode terminals Bezel color Bezel material Bezel material Bezel material Bezel minormation Bezel color Blank Fitted with: Inscription Begree of protection Blank General information Degree of protection (front side) Lifespan, mechanical Departing frequency Departing frequency Departing frequency Departing frequency Departing frequency Blank Bezel material Bezel material Blank Climatic environmental conditions Use of insulated ferrule ISH 2,8 > 24 V AC/DC recommended Use of insulated ferrule ISH 2,8 > 30 V AC or 120 V DC is mandatory, even on blode terminals Black Black Black Black Black Black Black Black Blank Climatic environmental Blank Black Bla	Product Type	Illuminated pushbutton actuator
Use of insulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on blade terminals Bezel color	Product Sub Type	None
Bezel color Bezel material Plastic Design Fitted with: Fitted with: Inscription Blank General information Degree of protection (front side) Lifespan, mechanical Opening diameter Opening diam	Catalog Notes	Use of insulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unused
Bezel material Design Fitted with: Inscription General information Degree of protection (front side) Lifespan, mechanical Opening diameter Opening froquency Overvoltage category Ill Pollution degree Product category Rated impulse withstand voltage (Uimp) Size Rated impulse withstand voltage (Uimp) Suitable for Terminal size Suitable for Terminal size Ambient conditions, mechanical Mounting position Shock resistance Ambient conditions, mechanical Climatic environmental conditions Ambient operating temperature - min Plassic category Plassic category Illuminated pushbutton actuator As required 40 g, Mechanical, According to IEC/EN 80088-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 80088-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 80088-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 80088-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 80088-2-27	Features & Functions	
Design Flat with: Filtad with:	Bezel color	Black
Fitted with: Inscription General information Degree of protection Degree of protection (front side) Lifespan, mechanical Opening diameter	Bezel material	Plastic
Inscription General information Degree of protection Degree of protection (front side) Degree of protection (front side) Lifespan, mechanical Opening diameter Operating frequency Operating frequency Overoltage category Ill Pollution degree Product category Rated impulse withstand voltage (Uimp) Suitable for Terminal size Terminal size Type Ambient conditions, mechanical Mounting position Shock resistance Ambient operating temperature - min Blank INEMA 1 IP65 NEMA 1 IP65 3,000,000 Operations 16 mm 3600 Operations/h 18 mm 3600 Operations/h 18 mm 3600 Operations/h 18 lll 48 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46244, Blade terminal lll 18 mm 36 x required As required 40 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, Acc	Design	Flat
General information NEMA 1 1P65 Degree of protection (front side) NEMA 1 1P65 Lifespan, mechanical 3,000,000 Operations Opening diameter 16 mm Operating frequency 3600 Operations/h Overvoltage category III Pollution degree 3 Product category RM016 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 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46244, Blade terminal Type Illuminated pushbutton actuator Ambient conditions, mechanical As required 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 -25 °C	Fitted with:	Filament bulb (24 V)
Degree of protection Degree of protection (front side) Lifespan, mechanical Opening diameter Operating frequency Overvoltage category Pollution degree Product category Rated impulse withstand voltage (Uimp) Size Rated impulse withstand voltage (Uimp) Suitable for Terminal size Torminal size Ambient conditions, mechanical Mounting position Shock resistance Mounting position Shock resistance Ambient operating temperature - min NEMA 1 IP65 Shock as a special sequence of protection (front side) In minuted pushbutton actuator An g. Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms 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	Inscription	Blank
Degree of protection (front side) Lifespan, mechanical Opening diameter Openating frequency Overvoltage category III Pollution degree Product category RM016 Size Rated impulse withstand voltage (Uimp) Suitable for Terminal size Type Ambient conditions, mechanical Mounting position Shock resistance Ambient operating temperature - min Piess NEMA1 NEMA1 Rm 3,000,000 Operations 18 mm 3600 Operations/h Mm 18 mm 19 M600 Operations/h Mm 18 mm 19 M600 Operations/h IIII 18 mm 18 m	General information	
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 46247 and IEC 60760, Fast-on connectors 2,8 x 0.8 mm to DIN 46244, Blade terminal Type Illuminated pushbutton actuator 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 2,000 ms and 100	Degree of protection	
Operating frequency Operating frequency Overvoltage category III Pollution degree 3 Product category RMQ16 Size Rated impulse withstand voltage (Uimp) Suitable for Terminal size Type Ambient conditions, mechanical Mounting position Shock resistance Ambient conditions Ambient degree Ambient conditions Ambient conditions Ambient generature - min 16 mm 3600 Operations/h IIII IIII IIII IIII IIII IIII IIII I		IP65
Operating frequency Overvoltage category III Pollution degree Product category RMQ16 Size Rated impulse withstand voltage (Uimp) Suitable for Terminal size Type Illumination Type Ambient conditions, mechanical Mounting position Shock resistance Ambient conditions Ambient departing temperature - min Ambient conditions Ambient generating temperature - min Ambient generating temperature - min Shock persisting temperature	• •	
Overvoltage category Pollution degree Product category RMQ16 Rated impulse withstand voltage (Uimp) Suitable for Terminal size Type Ambient conditions, mechanical Mounting position Shock resistance Ambient operating temperature - min Ambient operating temperature - min Mill 3 RMQ16 Front dimensions: 25 x 25 mm 8800 V AC Illumination 2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46244, Blade terminal Illuminated pushbutton actuator As required 40 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms whechanical, According to IEC/EN 60068-2-27 Climatic environmental conditions Ambient operating temperature - min Ambient operating temperature - min		
Pollution degree Product category RMQ16 Size Rated impulse withstand voltage (Uimp) Suitable for Illumination Terminal size Z8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46244, Blade terminal Illuminated pushbutton actuator Ambient conditions, mechanical Mounting position Shock resistance Ambient conditions Shock resistance Ambient conditions Ambient conditions -25 °C		
Product category Size Rated impulse withstand voltage (Uimp) Suitable for Terminal size Type Ambient conditions, mechanical Mounting position Shock resistance Ambient conditions And predict conditions As required 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 Ambient operating temperature - min Ambient operating temperature - min		
Size Rated impulse withstand voltage (Uimp) 800 V AC Suitable for Illumination Terminal size 2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46244, Blade terminal Illuminated pushbutton actuator Ambient conditions, mechanical Mounting position Shock resistance 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 Ambient operating temperature - min As cording to IEC/EN 60068-2-27		
Rated impulse withstand voltage (Uimp) Suitable for Illumination Z.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46244, Blade terminal Illuminated pushbutton actuator Illuminated pushbutton actuator Ambient conditions, mechanical Mounting position Shock resistance As required 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		
Suitable for Terminal size 2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46244, Blade terminal Type Illuminated pushbutton actuator Ambient conditions, mechanical Mounting position Shock resistance As required 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		
Terminal size 2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46244, Blade terminal Type Illuminated pushbutton actuator Ambient conditions, mechanical Mounting position 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		
Type Ambient conditions, mechanical Mounting position Shock resistance Climatic environmental conditions Ambient operating temperature - min 2.8 x 0.8 mm to DIN 46244, Blade terminal Illuminated pushbutton actuator As required 40 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27 -25 °C		
Ambient conditions, mechanical Mounting position Shock resistance As required 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		2.8 x 0.8 mm to DIN 46244, Blade terminal
Mounting position 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		Illuminated pushbutton actuator
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 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 -25 °C		
Mechanical, According to IEC/EN 60068-2-27 Climatic environmental conditions Ambient operating temperature - min -25 °C	Mounting position	
Ambient operating temperature - min -25 °C	Shock resistance	
	Climatic environmental conditions	
Ambient operating temperature - max 60 °C	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, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Electrical rating	
Rated insulation voltage (Ui)	250 V
Rated operational voltage (Ue) at AC - max	24 V
Actuator	
Actuating force	4 N
Actuator color	Red
Actuator function	Spring-return Momentary
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 Pdiss	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	1 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 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])

[AKFU28019])	
Colour button	Red
Number of command positions	1
Construction type lens	Square

Hole diameter	1	mm	16
Width opening	ı	mm	0
Height opening	1	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