DATASHEET - Q25LT-GN

Illuminated pushbutton actuator, green, momentary

Part no. **Q25LT-GN**
086206

Powering Business Worldwide™

General specifications	
Product name	Eaton Moeller® series RMQ16 Illuminated pushbutton actuator
Part no.	Q25LT-GN
EAN	4015080862062
Product Length/Depth	59 millimetre
Product height	25 millimetre
Product width	25 millimetre
Product weight	0.011 kilogram
Certifications	CSA IEC/EN 60947 CE IEC/EN 60947-5 UL File No.: E29184 UL CSA-C22.2 No. 14-05 UL 508 CSA File No.: 46552 CSA Class No.: 3211-03 UL Category Control No.: NKCR
Product Tradename	RMQ16
Product Type	Illuminated pushbutton actuator
Product Sub Type	None
Catalog Notes	Filament bulb or LED needs to be ordered separately
Features & Functions	
Bezel color	Black
Bezel material	Plastic
Design	Flat
Inscription	Blank
General information	
Degree of protection	IP65 NEMA 1
Degree of protection (front side)	NEMA 1 IP65
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
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, 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		Green
Actuator function		Momentary Spring-return
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		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		Green
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