

Key-operated actuator, 2 positions, momentary

Part no. **Q18S1**
038806

General specifications		
Product name		Eaton Moeller® series RMQ16 Key-operated actuator
Part no.		Q18S1
EAN		4015080388067
Product Length/Depth		50 millimetre
Product height		18 millimetre
Product width		18 millimetre
Product weight		0.02 kilogram
Certifications		CSA UL Category Control No.: NKCR IEC/EN 60947 UL 508 IEC/EN 60947-5 UL CSA Class No.: 3211-03 CE UL File No.: E29184 CSA File No.: 46552 CSA-C22.2 No. 14-05
Product Tradename		RMQ16
Product Type		Key-operated actuator
Product Sub Type		None
Catalog Notes		For each color there is a corresponding key, → accessories, 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		Black
Bezel material		Plastic
Design		Key operated
Fitted with:		Front ring
General information		
Accessories		1 key included with supplied equipment.
Degree of protection		NEMA 1
Degree of protection (front side)		IP65
Lifespan, mechanical		3,000,000 Operations
Opening diameter		16 mm
Operating frequency		1800 Operations/h
Operating torque		0.4 N·m
Overvoltage category		III
Pollution degree		3
Product category		RMQ16
Size		Front dimensions: 18 x 18 mm
Rated impulse withstand voltage (Uimp)		800 V AC
Switching angle		45 °
Terminal capacity		0.5 - 1.0 mm ²
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		Key-operated button
Ambient conditions, mechanical		
Mounting position		As required
Shock resistance		Mechanical, According to IEC/EN 60068-2-27 40 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms
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		
Actuator color		Black
Actuator function		Spring-return Key withdrawable in position 0 Momentary
Actuator type		Key
Number of switch positions		2
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 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 selector switch (EC000222)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for selector switches (ecl@ss13-27-37-12-13 [AKF031019])

Number of switch positions			2
Type of control element			Key
Suitable for illumination			No
Colour control element			Black
Colour indicator light cap			Other
Construction type lens			Square
Hole diameter		mm	16
Width opening		mm	0
Height opening		mm	0
Switching function latching			No
Spring-return			Yes
With front ring			Yes
Material front ring			Plastic
Colour front ring			Black
Degree of protection (IP), front side			IP65
Degree of protection (NEMA)			1