

Illuminated selector switch actuator, maintained, 45° 45°, 25 × 25 mm, 3 positions, With thumb-grip, red, with VS anti-rotation tab, with filament bulb, 24 V



**Part no. Q25LWK3R-RT/WB
072350**

General specifications		
Product name		Eaton Moeller® series RMQ16 Illuminated selector switch actuator
Part no.		Q25LWK3R-RT/WB
EAN		4015080723509
Product Length/Depth		75 millimetre
Product height		25 millimetre
Product width		25 millimetre
Product weight		0.017 kilogram
Certifications		IEC/EN 60947 UL 508 IEC/EN 60947-5 CSA-C22.2 No. 14-05 UL CSA CSA Class No.: 3211-03 UL File No.: E29184 UL Category Control No.: NKCR CSA File No.: 46552 CE
Product Tradename		RMQ16
Product Type		Illuminated selector switch actuator
Product Sub Type		None
Catalog Notes		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		With thumb-grip
Fitted with:		Filament bulb (24 V) VS anti-rotation tab
General information		
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		0.2 N·m
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
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		Illuminated selector switch 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		
Actuator color		Black
Actuator function		Maintained Switching function latching
Actuator type		Toggle
Number of switch positions		3
Contacts		
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)
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		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 selector switch (EC000222)

Number of switch positions			3
Type of control element			Toggle
Suitable for illumination			Yes
Colour control element			Black
Colour indicator light cap			Red
Construction type lens			Square
Hole diameter		mm	16
Width opening		mm	0
Height opening		mm	0
Switching function latching			Yes
Spring-return			No
With front ring			No
Material front ring			Plastic
Colour front ring			Black
Degree of protection (IP), front side			IP65
Degree of protection (NEMA)			1