

Illuminated selector switch actuator, momentary, 45° 45°, 18 × 18 mm, 3 positions, With thumb-grip, green, with VS anti-rotation tab, with filament bulb, 24 V



Part no. Q18LWK3-GN/WB
072336

General specifications		
Product name		Eaton Moeller® series RMQ16 Illuminated selector switch actuator
Part no.		Q18LWK3-GN/WB
EAN		4015080723363
Product Length/Depth		75 millimetre
Product height		18 millimetre
Product width		18 millimetre
Product weight		0.014 kilogram
Certifications		CE IEC/EN 60947 UL Category Control No.: NKCR UL File No.: E29184 CSA-C22.2 No. 14-05 UL 508 UL CSA Class No.: 3211-03 IEC/EN 60947-5 CSA File No.: 46552 CSA
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: 18 x 18 mm
Rated impulse withstand voltage (Uimp)		800 V AC
Suitable for		Illumination
Switching angle		45 °
Terminal capacity		0.5 - 1.0 mm²
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 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			Momentary Spring-return
Actuator type			Toggle
Number of switch positions			3
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			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)

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			3
Type of control element			Toggle
Suitable for illumination			Yes
Colour control element			Black
Colour indicator light cap			Green
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			No
Material front ring			Plastic
Colour front ring			Black
Degree of protection (IP), front side			IP65
Degree of protection (NEMA)			1