DATASHEET - Q18LWK1R-GN

Illuminated selector switch actuator, maintained, 45°, 18 × 18 mm, 2 positions, With thumb-grip, green, with VS anti-rotation tab, without light elements, With base, W2x4,6d; max. 30 V, 1 W

Powering Business Worldwide

Part no. **Q18LWK1R-GN**
040350

General specifications	
Product name	Eaton Moeller® series RMQ16 Illuminated selector switch actuator
Part no.	Q18LWK1R-GN
EAN	4015080403500
Product Length/Depth	75 millimetre
Product height	18 millimetre
Product width	18 millimetre
Product weight	0.014 kilogram
Certifications	UL File No.: E29184 CSA File No.: 46552 UL 508 IEC/EN 60947-5 IEC/EN 60947 CSA CE UL Category Control No.: NKCR UL CSA Class No.: 3211-03 CSA-C22.2 No. 14-05
Product Tradename	RMQ16
Product Type	Illuminated selector switch 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	With thumb-grip
Fitted with:	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 mm^2
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	Switching function latching Maintained
Actuator type	Toggle
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 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 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			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			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