Specifications

Eaton 040378

Eaton Moeller® series RMQ16 Illuminated selector switch actuator, momentary, 45°, 25 × 25 mm, 2 positions, With thumb-grip, red, with VS anti-rotation tab, with filament bulb, 24 V

General specifications

PRODUCT NAME	Eaton Moeller® series RMQ16 Illuminated selector switch actuator
CATALOG NUMBER	040378
EAN	4015080403784
PRODUCT LENGTH/DEPTH	75 mm
PRODUCT HEIGHT	25 mm
PRODUCT WIDTH	25 mm
PRODUCT WEIGHT	0.017 kg
CERTIFICATIONS	CSA Class No.: 3211-03 IEC/EN 60947 UL File No.: E29184 CSA-C22.2 No. 14-05 CSA CSA File No.: 46552 UL CE IEC/EN 60947-5 UL 508 UL Category Control No.: NKCR
MODEL CODE	Q25LWK1-RT/WB

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Features & Functions

BEZEL COLOR	Black
BEZEL MATERIAL	Plastic
DESIGN	With thumb-grip
FITTED WITH:	Filament bulb (24 V) VS anti-rotation tab

General

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 Nm
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	3
PRODUCT CATEGORY	RMQ16
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	800 V AC
SIZE	Front dimensions: 25 × 25 mm
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, 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 Momentary
ACTUATOR TYPE	Toggle
NUMBER OF SWITCH POSITIONS	2

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	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.

Resources

CATALOGUES	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf eaton-rmq-titan-brochure-br047004en-en-us.pdf
DECLARATIONS OF CONFORMITY	DA-DC-00004158.pdf DA-DC-00004136.pdf
DRAWINGS	eaton-operating-switch-rmq16-dimensions.eps eaton-operating-button-symbol-006.eps
ECAD MODEL	eaton-rmq16-illuminated-selector-switch-actuator-eplan-040378.edz
INSTALLATION INSTRUCTIONS	IL04716016Z
MCAD MODEL	DA-CD-wahl_25 leuchtwahl_25.stp DA-CS-wahl_25

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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