

Specifications



Eaton 046848

Eaton Moeller® series RMQ16 Key-operated actuator, 3 positions, white, maintained Q25S3R-WS

General specifications

PRODUCT NAME	Eaton Moeller® series RMQ16 Key-operated actuator
CATALOG NUMBER	046848
EAN	4015080468486
PRODUCT LENGTH/DEPTH	50 mm
PRODUCT HEIGHT	25 mm
PRODUCT WIDTH	25 mm
PRODUCT WEIGHT	0.023 kg
CERTIFICATIONS	UL CSA CSA Class No.: 3211-03 IEC/EN 60947-5 UL Category Control No.: NKCR UL File No.: E29184 CSA File No.: 46552 CSA-C22.2 No. 14-05 CE IEC/EN 60947 UL 508
MODEL CODE	Q25S3R-WS



Powering Business Worldwide

Features & Functions

BEZEL COLOR	Black
BEZEL MATERIAL	Plastic
DESIGN	Key operated
FITTED WITH:	Front ring

General

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 Nm
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	3
PRODUCT CATEGORY	RMQ16
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	800 V AC
SIZE	Front dimensions: 25 × 25 mm
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	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, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30

Electrical rating

RATED INSULATION VOLTAGE (UI)	250 V
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RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	24 V
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Communication

CONNECTION TO SMARTWIRE-DT	No
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Actuator

ACTUATOR COLOR	White
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ACTUATOR FUNCTION	Key withdrawable in position 0 Maintained Switching function latching Key withdrawable in position 2
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ACTUATOR TYPE	Key
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NUMBER OF SWITCH POSITIONS	3
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Design verification

EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
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HEAT DISSIPATION CAPACITY PDISS	0 W
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HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
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RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A
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STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
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10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
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10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
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10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	Meets the product standard's requirements.
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10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	Meets the product standard's requirements.
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10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Please enquire
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10.2.5 LIFTING	Does not apply, since the entire switchgear needs to
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	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.

Resources

CATALOGUES	eaton-rmq-titan-brochure-br047004en-en-us.pdf
	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
DECLARATIONS OF CONFORMITY	DA-DC-00004158.pdf
	DA-DC-00004136.pdf
DRAWINGS	eaton-operating-rmq16-key-operated-actuator-dimensions.eps
ECAD MODEL	ETN.046848.edz
INSTALLATION INSTRUCTIONS	IL04716016Z
MCAD MODEL	DA-CD-schluessel_25
	DA-CS-schluessel_25

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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