Specifications

Photo is representative

Eaton 062108

Eaton Moeller® series RMQ16 Key-operated actuator, 2 positions, green, maintained Q25S1R-GN

General specifications

PRODUCT NAME	Eaton Moeller® series RMQ16 Key-operated actuator
CATALOG NUMBER	062108
EAN	4015080621089
PRODUCT LENGTH/DEPTH	50 mm
PRODUCT HEIGHT	25 mm
PRODUCT WIDTH	25 mm
PRODUCT WEIGHT	0.023 kg
CERTIFICATIONS	CSA File No.: 46552 CSA CSA Class No.: 3211-03 UL 508 CSA-C22.2 No. 14-05 IEC/EN 60947-5 UL UL Category Control No.: NKCR UL File No.: E29184 CE IEC/EN 60947
MODEL CODE	Q25S1R-GN

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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 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46244, Blade terminal
TYPE	Key-operated button

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	Green
ACTUATOR FUNCTION	Key withdrawable in position 1 Maintained Key withdrawable in position 0 Switching function latching
ACTUATOR TYPE	Key
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	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.

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-rmq16-key-operated-actuator-dimensions-002.eps
ECAD MODEL	ETN.062108.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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