

# Specifications



## Eaton 046851

Eaton Moeller® series RMQ16 Key-operated actuator, 2 positions, white, momentary Q25S1-WS

### General specifications

<b>PRODUCT NAME</b>	Eaton Moeller® series RMQ16 Key-operated actuator
<b>CATALOG NUMBER</b>	046851
<b>EAN</b>	4015080468516
<b>PRODUCT LENGTH/DEPTH</b>	50 mm
<b>PRODUCT HEIGHT</b>	25 mm
<b>PRODUCT WIDTH</b>	25 mm
<b>PRODUCT WEIGHT</b>	0.023 kg
<b>CERTIFICATIONS</b>	CSA-C22.2 No. 14-05 UL CSA Class No.: 3211-03 CE UL 508 UL Category Control No.: NKCR CSA IEC/EN 60947 UL File No.: E29184 IEC/EN 60947-5 CSA File No.: 46552
<b>MODEL CODE</b>	Q25S1-WS

## Features & Functions

<b>BEZEL COLOR</b>	Black
<b>BEZEL MATERIAL</b>	Plastic
<b>DESIGN</b>	Key operated
<b>FITTED WITH:</b>	Front ring

## General

<b>ACCESSORIES</b>	1 key included with supplied equipment.
<b>DEGREE OF PROTECTION</b>	NEMA 1
<b>DEGREE OF PROTECTION (FRONT SIDE)</b>	IP65
<b>LIFESPAN, MECHANICAL</b>	3,000,000 Operations
<b>OPENING DIAMETER</b>	16 mm
<b>OPERATING FREQUENCY</b>	1800 Operations/h
<b>OPERATING TORQUE</b>	0.4 Nm
<b>OVERVOLTAGE CATEGORY</b>	III
<b>POLLUTION DEGREE</b>	3
<b>PRODUCT CATEGORY</b>	RMQ16
<b>RATED IMPULSE WITHSTAND VOLTAGE (UIMP)</b>	800 V AC
<b>SIZE</b>	Front dimensions: 25 × 25 mm
<b>SWITCHING ANGLE</b>	45 °
<b>TERMINAL CAPACITY</b>	0.5 - 1.0 mm <sup>2</sup>
<b>TERMINAL SIZE</b>	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
<b>TYPE</b>	Key-operated button

## Ambient conditions, mechanical

<b>MOUNTING POSITION</b>	As required
<b>SHOCK RESISTANCE</b>	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

<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	60 °C
<b>AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN</b>	25 °C
<b>AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX</b>	40 °C
<b>CLIMATIC PROOFING</b>	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30

## Electrical rating

<b>RATED INSULATION VOLTAGE (UI)</b>	250 V
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<b>RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX</b>	24 V
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## Communication

<b>CONNECTION TO SMARTWIRE-DT</b>	No
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## Actuator

<b>ACTUATOR COLOR</b>	White
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<b>ACTUATOR FUNCTION</b>	Key withdrawable in position 0 Spring-return Momentary
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<b>ACTUATOR TYPE</b>	Key
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<b>NUMBER OF SWITCH POSITIONS</b>	2
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## Design verification

<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>	0 W
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<b>HEAT DISSIPATION CAPACITY PDISS</b>	0 W
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<b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>	0 W
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<b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>	0 A
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<b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>	0 W
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<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
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<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
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<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
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<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.
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<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Please enquire
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<b>10.2.5 LIFTING</b>	Does not apply, since the entire switchgear needs to be evaluated.
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<b>10.2.6 MECHANICAL IMPACT</b>	Does not apply, since the entire switchgear needs to
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	be evaluated.
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Meets the product standard's requirements.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Is the panel builder's responsibility.
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Is the panel builder's responsibility.
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Is the panel builder's responsibility.
<b>10.10 TEMPERATURE RISE</b>	Not applicable.
<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.13 MECHANICAL FUNCTION</b>	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.046851.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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