Specifications

Eaton 089102



Catalog Number: 089102

Eaton Moeller® series RMQ16 Illuminated pushbutton actuator, blue, momentary, +filament lamp 24V Q25LT-BL/WB

General specifications

Product Name
Eaton Moeller® series RMQ16 Illuminated pushbutton actuator

Catalog Number
089102

EAN
4015080891024

Product Length/Depth
59 mm

Product Height
25 mm

Product Width
25 mm

Product Weight
0.011 kg

Certifications
UL Category Control No.: NKCR
CSA File No.: 46552
UL 508
CSA Class No.: 3211-03
IEC/EN 60947
UL
IEC/EN 60947-5
CE
CSA
CSA-C22.2 No. 14-05
UL File No.: E29184

Powering Business Worldwide

Product specifications

Type

Illuminated pushbutton actuator

Actuator color

Blue

Actuator function

Momentary

Spring-return

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.

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.

Resources

Catalogs

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-00004136.pdf

DA-DC-00004158.pdf

Drawings

eaton-operating-pushbutton-rmq16-dimensions-002.eps

eaton-operating-button-rmq16-symbol.eps

eCAD model

ETN.089102.edz

Installation instructions

IL04716016Z

mCAD model

DA-CS-druck_25

DA-CD-druck_25

leuchtdruck_25.stp

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.

Fitted with:

Filament bulb (24 V)

Operating frequency

3600 Operations/h

Pollution degree

3

Climatic proofing

Damp heat, cyclic, to IEC 60068-2-30
Damp heat, constant, to IEC 60068-2-78

Connection to SmartWire-DT

No

Actuating force

4 N

Ambient operating temperature - max

60 °C

Ambient operating temperature - min

-25 °C

Ambient operating temperature (enclosed) - max

40 °C

Ambient operating temperature (enclosed) - min

-25 °C

Equipment heat dissipation, current-dependent Pvid

0 W

Heat dissipation capacity Pdiss

0 W

Heat dissipation per pole, current-dependent Pvid

0 W

Number of command positions

1

Opening diameter

16 mm

Opening height

0 mm

Rated insulation voltage (Ui)

250 V

Rated operational current for specified heat dissipation (In)

0 A

Rated operational voltage (Ue) at AC - max

24 V

Rated impulse withstand voltage (Uimp)

800 V AC

Bezel color

Black

Shock resistance

40 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms
Mechanical, According to IEC/EN 60068-2-27

Bezel material

Plastic

Design

Flat

Mounting position

As required

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

Overvoltage category

III

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)

Degree of protection

NEMA 1

IP65

Degree of protection (front side)

IP65

NEMA 1

Inscription

Blank

Front element type

Flat

Lens type

Square

Lifespan, mechanical

3,000,000 Operations

Static heat dissipation, non-current-dependent Pvs

1 W

Width opening

0 mm

Product category

RMQ16

Size

Front dimensions: 25 x 25 mm

Suitable for

Illumination



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