Specifications

# Eaton 089137



## Catalog Number: 089137

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

### General specifications

**Product Name**
Eaton Moeller® series RMQ16 Illuminated pushbutton actuator

**Catalog Number**
089137

**EAN**
4015080891376

**Product Length/Depth**
59 mm

**Product Height**
25 mm

**Product Width**
25 mm

**Product Weight**
0.011 kg

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

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## Product specifications

### Type

Illuminated pushbutton actuator

### Actuator color

Yellow

### 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-003.eps

### eCAD model

ETN.089137.edz

### Installation instructions

IL04716016Z

### mCAD model

leuchtdruck_25.stp

DA-CD-druck_25

DA-CS-druck_25

### 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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