Specifications

Eaton 279389

Catalog Number: 279389

Eaton Moeller® series M22 Illuminated element, LED, red, front mount, 12 V



General specifications

Product Name
Eaton Moeller® series M22 Accessory LED

Catalog Number
279389

EAN
4015082793890

Product Length/Depth
38 mm

Product Height
10 mm

Product Width
37 mm

Product Weight
0.011 kg

Compliances
CE

Powering Business Worldwide

Features & Functions

Fitted with:

Light source

Diode

Light color

Red

General

Degree of protection

IP20

Lifespan, electrical

100,000 h (at 25°C, according to EN60064)

Overvoltage category

III

Pollution degree

3

Type

LED elements

Voltage type

AC/DC

Ambient conditions, mechanical

Mounting position

As required

Climatic environmental conditions

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

70 °C

Ambient storage temperature - min

-40 °C

Ambient storage temperature - max

80 °C

Electro magnetic compatibility

Radiated RFI

10 V (IEC/EN 61131-2:2008, Level 3)

Radio interference class

Class A (EN 55011)

Terminal capacities

Terminal capacity (stranded)

0.5 - 2.5 mm²

Electrical rating

Rated operational current (Ie) - min

15 mA

Rated operational current (Ie) - max

15 mA

Rated operational voltage (Ue) at AC - max

12 V

Rated operational voltage (Ue) at AC - min

12 V

Rated operational voltage (Ue) at DC - max

12 V

Rated operational voltage (Ue) at DC - min

12 V

Communication

Connection to SmartWire-DT

No

Contacts

Force for positive opening - min

0 N

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

0.45 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

Meets the product standard's requirements.

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

Resources

Catalogs

eaton-rmq-titan-brochure-br047004en-en-us.pdf

eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf

Flip catalog - Product Range Catalog - Command and indication

Declarations of conformity

DA-DC-00004135.pdf

DA-DC-00004157.pdf

Drawings

eaton-operating-led-m22-led-element-standards.eps

eaton-operating-button-symbol-006.eps

eCAD model

ETN.279389.edz

Installation instructions

eaton-operating-devices-rmq-titan-m22-instruction-leaflet-il047018zu.pdf

IL04716002Z

Installation videos

RMQ Flat Design

mCAD model

DA-CD-led_element_schraube_front

DA-CS-led_element_schraube_front

Multimedia

MCI Multicolor Light Indicator M22 with SmartWire-DT

RMQ small E-Stop emergency-stop button

easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator

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

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.

MCI MultiColor Light Indicator RMQ compact solution

Sales notes

eaton-control circuit-devices rmq-titan-fl144090en-en-us.pdf

eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf

eaton-rmq-flat-enclosure-flyer-fl047003en-en-us.pdf

eaton-rmq-small-e-stop-flyer-fl047006en-en-us.pdf

System overview

Pilot devices - selection aid



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