Specifications

Eaton 197629

Catalog Number: 197629

Eaton Moeller® series M22 Enclosure, Controlled stop pushbuttons/emergency-stop buttons, Mushroom-shaped, 38 mm, Non-illuminated, Pull-to-release function, 3 NC, Screw connection, Red, Yellow



General specifications

Product Name
Eaton Moeller® series M22 Housing

Catalog Number
197629

EAN
4015081945337

Product Length/Depth
100 mm

Product Height
80 mm

Product Width
72 mm

Product Weight
0.204 kg

Certifications
CSA-C22.2 No. 94-91
CSA Class No.: 3211-03
IEC/EN 60947-5
GL
UL Listed
VDE 0660
CE marking
DNV
CSA-C22.2 No. 14-05
LR
UL 508
UL Category Control No.: NKCR
CSA File No.: 012528
IEC/EN 60947
CSA certified
UL File No.: E29184

Powering Business Worldwide

Connection type: Screw

Catalog Notes

Features & Functions

Design

Classical

Mushroom-shaped

Enclosure color

Yellow

Enclosure material

Plastic

Features

Tamper-proof (according to ISO 13850, EN 418)

Illumination

Non-illuminated

General

Degree of protection

IP Other

NEMA 4X, 13

Opening diameter

22 mm

Operating frequency

600 Operations/h

Product category

RMQ-Titan

Size

Front dimensions: 35 mm

Suitable for

Emergency stop

Type

Controlled stop pushbutton/emergency-stop button

Housing

Ambient conditions, mechanical

Mounting position

As required

Shock resistance

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

Climatic environmental conditions

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

70 °C

Climatic proofing

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

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

Electrical rating

Rated control supply voltage (Us) at AC, 50 Hz - min

115 V

Rated control supply voltage (Us) at AC, 50 Hz - max

500 V

Rated control supply voltage (Us) at AC, 60 Hz - min

115 V

Rated control supply voltage (Us) at AC, 60 Hz - max

500 V

Rated control supply voltage (Us) at DC - min

24 V

Rated control supply voltage (Us) at DC - max

220 V

Actuator

Actuating force

50 N

Actuator color

Red

Actuator diameter

38 mm

Actuator function

Pull-to-release

Actuator travel and actuation force (DIN EN 60947-5-1)

4.8 mm

Knob travel

5.7 mm

Short-circuit rating

Rated conditional short-circuit current (Iq)

1 kA

Communication

Connection to SmartWire-DT

No

Contacts

Force for positive opening - min

30 N

Number of contacts (change-over contacts)

0

Number of contacts (normally closed contacts)

3

Number of contacts (normally open contacts)

0

Design verification

Equipment heat dissipation, current-dependent Pvid

0 W

Heat dissipation capacity Pdiss

0 W

Heat dissipation per pole, current-dependent Pvid

0.11 W

Rated operational current for specified heat dissipation (In)

6 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

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

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

Certification reports

000Z425

Declarations of conformity

DA-DC-00004971.pdf

DA-DC-00004141.pdf

DA-DC-00004975.pdf

DA-DC-00004180.pdf

Drawings

eaton-operating-m22-housing-dimensions-002.eps

eaton-operating-emergency-m22-dimensions.eps

000Z051

eaton-general-m22-standards.eps

eaton-operating-button-symbol-006.eps

eaton-general-approval-m22-symbol.eps

eaton-general-m22-symbol.eps

eaton-general-totally-insulated-t0-main-switch-symbol.eps

Installation instructions

IL04716005Z.pdf

Installation videos

RMQ Flat Design

mCAD model

DA-CD-bg_pv_aufbaug

DA-CS-bg_pv_aufbaug

Multimedia

MCI Multicolor Light Indicator M22 with SmartWire-DT

MCI MultiColor Light Indicator RMQ compact solution

RMQ small E-Stop emergency-stop button

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

Sales notes

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

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.

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

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

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

System overview

Pilot devices - selection aid

Wiring diagrams

eaton-operating-devices-drawing-1160swi-81.eps

Eaton Corporation plc
Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

© 2024 Eaton. All Rights Reserved.

Eaton is a registered trademark.

All other trademarks are property of their respective owners.

Eaton.com/socialmedia