Specifications

Eaton 115990

Catalog Number: 115990

Eaton Moeller® series M22 Card, SmartWire-DT, for enclosure with 1 mounting location



General specifications

Product Name
Eaton Moeller® series M22 Card

Catalog Number
115990

EAN
4015081157303

Product Length/Depth
49 mm

Product Height
16 mm

Product Width
47 mm

Product Weight
0.01 kg

Certifications
CSA File No.: 2324643
CSA Class No.: 3211-07
UL File No.: E29184
UL
CSA
UL Category Control No.: NKCR

Catalog Notes
Circuit boards for M22-I… surface mounting enclosure

Powering Business Worldwide

Features & Functions

Fitted with:

Connectable SmartWire-DT network terminator

Functions

For taking bottom function elements

Number of locations

1

General

Accessory/spare part type

Accessory

Climatic environmental conditions

Ambient operating temperature - min

-30 °C

Ambient operating temperature - max

55 °C

Communication

Connection to SmartWire-DT

Yes

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

0.3 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 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.

Resources

Catalogs

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

Flip catalog - Product Range Catalog - Command and indication

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

Declarations of conformity

DA-DC-00003551.pdf

DA-DC-00003974.pdf

Drawings

eaton-modular-plc-mounting-m22-card-3d-drawing.eps

eCAD model

DA-CE-ETN.M22-SWD-I1-LP01

Installation instructions

IL04716004Z2021_10.pdf

Installation videos

RMQ Flat Design

Manuals and user guides

MN05006002Z_EN

mCAD model

DA-CD-leiterplatte_gr1

DA-CS-leiterplatte_gr1

Multimedia

RMQ small E-Stop emergency-stop button

MCI MultiColor Light Indicator RMQ compact solution

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

MCI Multicolor Light Indicator M22 with SmartWire-DT

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-chemical-resistance-flyer-fl047011en-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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