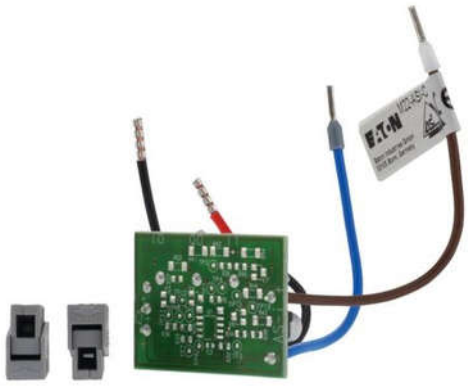
Specifications

Eaton 231271

Catalog Number: 231271

Eaton Moeller® series M22 AS-Interface module, 2I, 1Q, spring clamp connection



General specifications

Product Name
Eaton Moeller® series M22 Accessory AS-Interface connection

Catalog Number
231271

EAN
4015082312718

Product Length/Depth
40 mm

Product Height
30 mm

Product Width
40 mm

Product Weight
0.017 kg

Certifications
CSA-C22.2 No. 94-91
DIN EN 50295
IEC/EN 60947
UL File No.: E29184
CSA Class No.: 3211-03
UL
IEC/EN 60947-5
UL Category Control No.: NKCR
CSA File No.: 012528
UL 508
CSA-C22.2 No. 14-05
CSA
CE

Powering Business Worldwide

Features & Functions

Bezel color

Titanium

General

Degree of protection

IP00

Input

2 Inputs (22 V/5 mA, protected against short-circuit)

Inputs for 2 contacts

Output

1 (normally 19 V/8 mA) Output, protected against short-circuit

Output for 1 LED element: M22-LED-...

Product category

Accessories

Protection

AS-Interface protected against polarity reversal

Protocol

AS-Interface (S-3.A.E)

Ambient conditions, mechanical

Mounting position

As required

Shock resistance

30 g, Mechanical, Shock duration 11 ms

Climatic environmental conditions

Ambient operating temperature - min

-25 °C

Ambient operating temperature - max

55 °C

Climatic proofing

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

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

Electro magnetic compatibility

Radio interference class

EN 55011

EN 55022

Electrical rating

No-load current

30 A

Output voltage

24 V DC (-15/+10 %)

Power consumption

40 mA

Rated operational voltage

26.5 - 31.6 V DC (AS-Interface specification)

Communication

Addressing

Adress set via connection to AS-Interface cable

Connection to SmartWire-DT

No

Connection type

Base fixing for RMQ-Titan

Interfaces

2.1 (Output specification)

LED indicator

Status indication of POWER AS-Interface cable in the switch front: Green LED on the board

Status indication of ERROR AS-Interface, AS-Interface Master failure in the switch front: Red LED on the board

Number of modules

62 (Suconet-K)

Cable

Cable length

2 m connection cable

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

1.3 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

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

Flip catalog - Product Range Catalog - Command and indication

Drawings

eaton-electronics-adapter-m22-accessory-dimensions.eps

eaton-electronics-base-m22-accessory-3d-drawing.eps

eCAD model

DA-CE-ETN.M22-ASI-C

Installation instructions

IL04716018Z

Installation videos

RMQ Flat Design

Multimedia

MCI Multicolor Light Indicator M22 with SmartWire-DT

MCI MultiColor Light Indicator RMQ compact solution

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

RMQ small E-Stop emergency-stop button

Sales notes

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

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

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

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

System overview

Pilot devices - selection aid



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

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