Product specifications

Eaton 216387

Catalog Number: 216387

Eaton Moeller® series M22 Contact element, Cage Clamp, Base fixing, 1 NC, 24 V 3 A, 220 V 230 V 240 V 6 A

General specifications

Product Name
Eaton Moeller® series M22 Accessory Contact element

Catalog Number
216387

Model Code
M22-CKC01

EAN
4015082163877

Product Length/Depth
38 mm

Product Height
10 mm

Product Width
32 mm

Product Weight
0.01 kg

Compliances
CE Marked

Certifications
IEC 60947-5
EN 60947-5
UL 508
CSA Std. C22.2 No. 94-91
CSA Std. C22.2 No. 14-05
CSA File No.: 012528
IEC/EN 60947-5
CSA
CSA-C22.2 No. 14-05
CSA-C22.2 No. 94-91
CE
CSA Class No.: 3211-03
IEC 60947-5-1
UL Category Control No.: NKCR
UL
UL File No.: E29184
CSA

Catalog Notes
Contacts with safety function, by positive opening to IEC/EN 60947-5-1

Powering Business Worldwide

Product specifications

Contact configuration

1 NO

Rated operational current for specified heat dissipation (In)

6 A

Terminal capacity (flexible with ferrule)

0.5 - 1.5 mm²

10.11 Short-circuit rating

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

Lamp holder

None

10.4 Clearances and creepage distances

Meets the product standard's requirements.

10.12 Electromagnetic compatibility

Is the panel builder's responsibility. The specifications for the switchgear must be observed.

Mounting method

Floor fastening

10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

Force for positive opening - min

15 N

10.8 Connections for external conductors

Is the panel builder's responsibility.

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

4.8 mm

Rated conditional short-circuit current (Iq)

1 kA

Terminal capacity (stranded)

0.5 - 2.5 mm²

Ambient operating temperature - max

70 °C

Climatic proofing

Resources

Brochures

RMQ Titan - brochure

RMQ MCI - Flyer

RMQ Small E-Stop - Flyer

RMQ Flat Enclosure - Flyer

RMQ Titan emergency stop push button - Flyer

Catalogs

Product Range Catalog Command and Indication Control Circuit Devices, Signal Towers

Flip catalog - Product Range Catalog - Command and indication

Certification reports

DA-DC-00004141.pdf

DA-DC-00004135.pdf

DA-DC-00004180.pdf

DA-DC-00004157.pdf

DA-DC-00004134.pdf

000Z425

DA-DC-00004176.pdf

Drawings

eaton-general-standards-000Z425.jpg

eaton-operating-contact-m22-contact-element-3d-drawing-005.eps

eaton-operating-devices-adapter-flow-diagram-004.eps

eaton-operating-adapter-m22-contact-element-flow-diagram-004.eps

eCAD model

ETN.M22-CKC01

Installation instructions

IL04716002Z

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

Installation videos

RMQ Flat Design

mCAD model

kontaktelement_cage_boden

kontaktelement_cage_boden.stp

Multimedia

MCI Multicolor Light Indicator M22 with SmartWire-DT

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

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

Color

Red

Knob travel

5.7 mm

Connection to SmartWire-DT

No

Lifespan, electrical

1,600,000 Operations (at 230 V, 0.5 A)

1,000,000 Operations (at 230 V, AC-15, 1 A)

700,000 Operations (at 230 V, AC-15, 3 A)

1,200,000 Operations (at 12 V, DC-13, 2.8 A)

Static heat dissipation, non-current-dependent Pvs

0 W

Rated operational current (Ie) at AC-15, 500 V

2 A

10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

Ambient operating temperature - min

-25 °C

10.6 Incorporation of switching devices and components

Does not apply, since the entire switchgear needs to be evaluated.

10.5 Protection against electric shock

Does not apply, since the entire switchgear needs to be evaluated.

Rated operational current (Ie) at AC-15, 220 V, 230 V, 240 V

6 A

Electric connection type

Spring clamp connection

10.13 Mechanical function

The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Rated operational current (Ie) at DC-13, 42 V

1.7 A

10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

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

System overview

Pilot devices - selection aid

Wiring diagrams

eaton-operating-contact-m22-contact-element-wiring-diagram-003.eps

10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

Number of contacts (normally closed contacts)

1

10.3 Degree of protection of assemblies

Does not apply, since the entire switchgear needs to be evaluated.

Heat dissipation per pole, current-dependent Pvid

0.11 W

Rated operational current (Ie) at AC-15, 380 V, 400 V, 415 V

4 A

Operating frequency

3600 Operations/h

Short-circuit protection

PKZM0-10/FAZ-B6/1, Contacts, Max. short-circuit protective device, Fuseless

Number of switches (fault signal)

0

Equipment heat dissipation, current-dependent Pvid

0 W

Heat dissipation capacity Pdiss

0 W

Rated operational current (Ie) at DC-13, 60 V

1.2 A

Rated operational current (Ie) at AC-15, 115 V

6 A

Terminal capacity (solid)

0.75 - 2.5 mm²

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.

Connection type

Single contact

Base fixing

Cage Clamp

Lifespan, mechanical

5,000,000 Operations

Rated operational current (Ie) at DC-13, 220 V, 230 V

0.3 A

10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

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)

Overvoltage category

III

Degree of protection

IP20

Pollution degree

3

10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

Actuating force - max

5 N

Rated impulse withstand voltage (Uimp)

6000 V AC

10.10 Temperature rise

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

Rated operational current (Ie) at DC-13, 500 V

0.1 A

10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.2.4 Resistance to ultra-violet (UV) radiation

Meets the product standard's requirements.

10.2.7 Inscriptions

Meets the product standard's requirements.

Number of contacts (normally open contacts)

0

Short-circuit protection rating

Max. 10 A gG/gL, Fuse, Contacts

Model

Top mounting

Rated operational current (Ie) at DC-13, 110 V

0.8 A

Number of contacts (change-over contacts)

0

Shock resistance

30 g, Mechanical, according to IEC/EN 60068-2-27, Shock duration 11 ms

Rated insulation voltage (Ui)

500 V

Rated operational current (Ie) at DC-13, 24 V

3 A

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

Eaton.com/socialmedia