

Eaton 216376

Catalog Number: 216376

Eaton Moeller® series M22 Contact element, Screw terminals, Front fixing, 1 N/O, 24 V 3 A, 220 V 230 V 240 V 6 A M22-K10



General specifications

Product Name	Catalog Number
Eaton Moeller® series M22 Accessory Contact element	216376
	Model Code
	M22-K10
EAN	Product Length/Depth
4015082163761	38 mm
Product Height	Product Width
10 mm	32 mm
Product Weight	Compliances
0.01 kg	CE Marked

Certifications

CSA Std. C22.2 No. 94-91

UL 508

IEC 60947-5

CSA Std. C22.2 No. 14-05

EN 60947-5

VDE

CSA File No.: 012528

CSA-C22.2 No. 14-05

CSA-C22.2 No. 94-91

CSA

UL Category Control No.: NKCR

UL File No.: E29184

UL/CSA

CE

IEC/EN 60947-5

IEC

IEC 60947-5-1

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

Front fastening

Operating torque

0.8 Nm

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

0 N

10.8 Connections for external conductors

Is the panel builder's responsibility.

Terminal capacity (stranded)

0.5 - 2.5 mm²

Ambient operating temperature - max

70 °C

Climatic proofing

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

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

Resources

Brochures

RMQ Titan - brochure

RMQ Titan emergency stop push button - Flyer

RMQ MCI - Flyer

RMQ Flat Enclosure - Flyer

RMQ Small E-Stop - Flyer

Catalogs

Flip catalog - Product Range Catalog - Command and indication

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

Certification reports

DA-DC-00004176.pdf

000Z425

DA-DC-00004134.pdf

DA-DC-00004135.pdf

DA-DC-00004141.pdf

DA-DC-00004180.pdf

DA-DC-00004157.pdf

Drawings

eaton-operating-actuation-m22-led-element-dimensions.eps

eaton-circuit-breaker-release-nzm-mccb-dimensions.eps

eaton-general-standards-000Z425.jpg

eaton-operating-contact-m22-contact-element-3d-drawing-004.eps

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

eaton-operating-devices-adapter-flow-diagram-002.eps

eCAD model

ETN.M22-K10

Installation instructions

eaton-operating-devices-rmq-titan-m22-instruction-leaflet-ii047018zu.pdf

IL04716002Z

Installation videos

RMQ Flat Design

mCAD model

DA-CD-kontaktelement_schraube_front

DA-CS-kontaktelement_schraube_front

Connection to SmartWire-DT

No

Lifespan, electrical

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)

1,600,000 Operations (at 230 V, 0.5 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.

Used with

Can be used with NZM2 size circuit-breaker: a standard auxiliary contact can be clipped into the circuit-breaker.

Can be used with NZM3, 4 circuit-breaker: up to three standard auxiliary contacts can be clipped into the circuit-breaker.

Can be used with NZM1 circuit-breaker: a standard auxiliary contact can be clipped into the circuit-breaker.

Can be used with NZM4 circuit-breaker: up to two standard auxiliary contacts can be clipped into the circuit-breaker.

Can be used with NZM1, 2, 3 circuit-breaker: a trip-indicating auxiliary contact can be clipped into the circuit-breaker.

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

6 A

Electric connection type

Screw 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

System overview

Pilot devices - selection aid

Wiring diagrams

[eaton-circuit-breaker-contact-m22-contact-element-wiring-diagram-006.eps](#)

[eaton-operating-contact-m22-contact-element-wiring-diagram-002.eps](#)

[eaton-circuit-breaker-contact-m22-contact-element-wiring-diagram-007.eps](#)

10.2.6 Mechanical impact

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

10.9.4 Testing of enclosures made of insulating material

Is the panel builder's responsibility.

Number of contacts (normally closed contacts)

0

10.3 Degree of protection of assemblies

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

Heat dissipation per pole, current-dependent P_{vid}

0.11 W

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

4 A

Operating frequency

3600 Operations/h

Terminal capacity (solid/flexible with ferrule)

1 x (0,75 - 2,5) mm²

2 x (0,75 - 2,5) mm²

Short-circuit protection

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

Product category

Accessories

Number of switches (fault signal)

0

Equipment heat dissipation, current-dependent P_{vid}

0 W

Heat dissipation capacity P_{diss}

0 W

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

1.2 A

Rated operational current (I_e)

1 A - 250 V DC

5 A – 600 V AC

Rated operational current (I_e) 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

Front fixing

Single contact

Lifespan, mechanical

5,000,000 Operations

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

0.3 A

Conventional thermal current I_{th} of auxiliary contacts (1-pole, open)

4 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

Rated operational voltage (U_e) at DC - max

220 V

Rated operational voltage (U_e) at AC - max

500 V

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 (U_{imp})

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.

Type

Auxiliary contact

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)

1

Short-circuit protection rating

Max. 10 A gG/gL, Fuse, Auxiliary contacts

Max. 10 A gG/gL, Fuse, Contacts

Model

Top mounting and integrable

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

0.6 A

Number of contacts (change-over contacts)

0

Shock resistance

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

Rated insulation voltage (Ui)

500 V

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

3 A



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