

Eaton 090351

Catalog Number: 090351

Eaton Moeller® series E10 Accessory Contact element, 1 N/O,
Front fastening, Blade terminal

General specifications

Product Name	Catalog Number
Eaton Moeller® series E10 Accessory Contact element	090351
	Model Code
	E10
EAN	Product Length/Depth
4015080903512	6 mm
Product Height	Product Width
29 mm	18 mm
Product Weight	Certifications
0.003 kg	CE
	UL Category Control No.: NKCR
	UL
	CSA-C22.2 No. 14-05
	IEC/EN 60947
	UL 508
	UL File No.: E29184
	CSA
	CSA Class No.: 3211-03
	CSA File No.: 46552
	IEC/EN 60947-5

Product specifications

Rated operational current for specified heat dissipation (I_n)

4 A

10.11 Short-circuit rating

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

Ambient operating temperature (enclosed) - min

-25 °C

Lamp holder

None

Terminal size

2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors
2.8 x 0.8 mm to DIN 46244, Blade terminal

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

10.2.5 Lifting

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

Ambient operating temperature (enclosed) - max

40 °C

10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.8 Connections for external conductors

Is the panel builder's responsibility.

Rated conditional short-circuit current (I_q)

1 kA

Ambient operating temperature - max

60 °C

Climatic proofing

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

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

Rated operational current (I_e) at AC-15, 24 V

Resources

Brochures

[RMQ Titan - brochure](#)

Catalogs

[Product Range Catalog Command and Indication Control Circuit Devices, Signal Towers](#)

Certification reports

[DA-DC-00004330.pdf](#)

[DA-DC-00004158.pdf](#)

[DA-DC-00004136.pdf](#)

[DA-DC-00004331.pdf](#)

Characteristic curve

[eaton-operating-e10-contact-element-characteristic-curve.eps](#)

Drawings

[eaton-operating-button-symbol-004.eps](#)

eCAD model

[DA-CE-ETN.E10](#)

Installation instructions

[IL04716016Z](#)

mCAD model

[DA-CD-kontakt](#)

[DA-CS-kontakt](#)

Wiring diagrams

[eaton-operating-terminals-e10-contact-element-wiring-diagram.eps](#)

4 A

Connection to SmartWire-DT

No

Static heat dissipation, non-current-dependent Pvs

0 W

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.

Mounting position

As required

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 A

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 Pvid

0.1 W

Operating frequency

3600 Operations/h

Short-circuit protection

FAZ-B6/1, Fuseless

Product category

Accessories

Number of switches (fault signal)

0

Terminal capacity

0.5 - 1.0 mm²

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

0.8 A

Rated operational current (I_e)

4 A at AC-15, 110 V

4 A at AC-15, 48 V

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

Blade terminal

Lifespan, mechanical

100,000,000 Operations

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

0.2 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, with Insulated ferrule ISH2,8

Rated operational voltage (Ue) at AC - max

250 V

Pollution degree

3

10.7 Internal electrical circuits and connections

Is the panel builder's responsibility.

Actuating force - max

3 N

Rated impulse withstand voltage (Uimp)

4000 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.

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, Contacts

Model

Top mounting

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

0.5 A

Number of contacts (change-over contacts)

0

Shock resistance

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

Mechanical, According to IEC/EN 60068-2-27

Rated insulation voltage (Ui)

250 V

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

1.5 A



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