

Specifications



Eaton 090351

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

General specifications

PRODUCT NAME	Eaton Moeller® series E10 Accessory Contact element
CATALOG NUMBER	090351
MODEL CODE	E10
EAN	4015080903512
PRODUCT LENGTH/DEPTH	6 mm
PRODUCT HEIGHT	29 mm
PRODUCT WIDTH	18 mm
PRODUCT WEIGHT	0.003 kg
CERTIFICATIONS	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
GLOBAL CATALOG	090351

Product specifications

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.
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.

Resources

CATALOGS	eaton-rmq-titan-brochure-br047004en-en-us.pdf eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
CHARACTERISTIC CURVE	eaton-operating-e10-contact-element-characteristic-curve.eps
CONTROL TRAVEL DIAGRAM	eaton-operating-diagram-e10-contact-element-contact-travel-diagram.eps
DECLARATIONS OF CONFORMITY	DA-DC-00004331.pdf DA-DC-00004158.pdf DA-DC-00004330.pdf DA-DC-00004136.pdf
DRAWINGS	eaton-operating-button-symbol-004.eps
ECAD MODEL	DA-CE-ETN.E10
INSTALLATION INSTRUCTIONS	IL04716029Z
MCAD MODEL	DA-CS-kontakt DA-CD-kontakt
PEP ECO-PASSPORT	eaton-accessory-declaration-of-conformity-eu250866en.pdf
WIRING DIAGRAMS	eaton-operating-terminals-e10-contact-element-wiring-diagram.eps

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.
ELECTRIC CONNECTION TYPE	Screw connection
OPERATING FREQUENCY	3600 Operations/h
POLLUTION DEGREE	3
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
ACTUATING FORCE - MAX	3 N
AMBIENT OPERATING TEMPERATURE - MAX	60 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX	40 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN	-25 °C
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0.1 W

NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1
NUMBER OF SWITCHES (FAULT SIGNAL)	0
CONNECTION TO SMARTWIRE-DT	No
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4000 V AC
TERMINAL CAPACITY	0.5 - 1.0 mm ²
MOUNTING POSITION	As required
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
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	1 kA
CONNECTION TYPE	Blade terminal
MOUNTING METHOD	Front fastening
OVERVOLTAGE CATEGORY	III
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)
DEGREE OF PROTECTION	IP20, with Insulated ferrule ISH2,8
MODEL	Top mounting
LAMP HOLDER	None
RATED OPERATIONAL CURRENT (IE)	4 A at AC-15, 110 V 4 A at AC-15, 48 V
LIFESPAN, MECHANICAL	100,000,000 Operations
SHORT-CIRCUIT PROTECTION	FAZ-B6/1, Fuseless
STATIC HEAT	0 W

DISSIPATION, NON-CURRENT-DEPENDENT PVS	
PRODUCT CATEGORY	Accessories
SHORT-CIRCUIT PROTECTION RATING	Max. 10 A gG/gL, Fuse, Contacts
RATED INSULATION VOLTAGE (UI)	250 V
RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V, 230 V, 240 V	6 A
RATED OPERATIONAL CURRENT (IE) AT AC-15, 24 V	4 A
RATED OPERATIONAL CURRENT (IE) AT DC-13, 110 V	0.5 A
RATED OPERATIONAL CURRENT (IE) AT DC-13, 220 V, 230 V	0.2 A
RATED OPERATIONAL CURRENT (IE) AT DC-13, 24 V	1.5 A
RATED OPERATIONAL CURRENT (IE) AT DC-13, 42 V	1 A
RATED OPERATIONAL CURRENT (IE) AT DC-13, 60 V	0.8 A
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	4 A
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	250 V
SHOCK RESISTANCE	40 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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