

Specifications



Eaton 121720

Eaton Moeller® series M22 Accessory Contact element, 1 N/O, 2 N/C, Floor fastening, Base fixing

General specifications

PRODUCT NAME	Eaton Moeller® series M22 Accessory Contact element
CATALOG NUMBER	121720
MODEL CODE	M22-KC02SMC10
EAN	4015081195305
PRODUCT LENGTH/DEPTH	38 mm
PRODUCT HEIGHT	30 mm
PRODUCT WIDTH	32 mm
PRODUCT WEIGHT	0.032 kg
CERTIFICATIONS	CSA File No.: 012528_C_000 UL File No.: E340491 UL Category Control No.: NISD CSA-C22.2 No. 14-05 IEC/EN 60947-5 CSA CSA-C22.2 No. 94-91 UL CE CSA Class No.: 3211-03 IEC 60947-5-1 UL 508
CATALOG NOTES	Contacts with safety function, by positive opening to IEC/EN 60947-5-1
GLOBAL CATALOG	121720

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

[Flip catalog - Product Range](#)
[Catalog - Command and indication](#)

[eaton-rmq-titan-brochure-br047004en-en-us.pdf](#)

[eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-us.pdf](#)

CERTIFICATION REPORTS

[000Z425](#)

CONTROL TRAVEL DIAGRAM

[eaton-operating-diagram-m22-contact-element-contact-travel-diagram-009.eps](#)

[DA-DC-00004975.pdf](#)

[DA-DC-00004176.pdf](#)

[DA-DC-00004134.pdf](#)

DECLARATIONS OF CONFORMITY

[DA-DC-00004157.pdf](#)

[DA-DC-00004971.pdf](#)

[eaton-accessory-declaration-of-conformity-eu250868en.pdf](#)

[DA-DC-00004135.pdf](#)

[eaton-general-standards-000Z425.jpg](#)

DRAWINGS

[eaton-operating-contact-m22-contact-element-3d-drawing-002.eps](#)

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

ECAD MODEL

[ETN.121720.edz](#)

FLYERS

[eaton-rmq-titan-selection-aid-brochure-fl047002-en-us.pdf](#)

INSTALLATION INSTRUCTIONS

[IL04716005Z.pdf IL04716002Z](#)

INSTALLATION VIDEOS

[RMQ Flat Design](#)

MCAD MODEL

[DA-CD-kontaktelement_safety_boden_2](#)

[DA-CS-kontaktelement_safety_boden_2](#)

MULTIMEDIA

[MCI Multicolor Light Indicator M22 with SmartWire-DT](#)

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
POLLUTION DEGREE	3
CLIMATIC PROOFING	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
ACTUATING FORCE - MAX	10 N
ACTUATOR TRAVEL AND ACTUATION FORCE (DIN EN 60947-5-1)	4.8 mm
AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT STORAGE TEMPERATURE - MAX	85 °C
AMBIENT STORAGE TEMPERATURE - MIN	-25 °C
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
FORCE FOR POSITIVE OPENING - MIN	30 N
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER	0.11 W

SALES NOTES	RMQ small E-Stop emergency-stop button easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator MCI MultiColor Light Indicator RMQ compact solution
	eaton-control-circuit-devices_rmq-titan-fl144090en-en-us.pdf
	eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf
	eaton-rmq-flat-enclosure-flyer-fl047003en-en-us.pdf
	eaton-rmq-small-e-stop-flyer-fl047006en-en-us.pdf
WIRING DIAGRAMS	eaton-operating-m22-contact-element-wiring-diagram-002.eps

POLE, CURRENT-DEPENDENT PVID	
KNOB TRAVEL	5.7 mm
NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	2
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1
NUMBER OF SWITCHES (FAULT SIGNAL)	0
CONNECTION TO SMARTWIRE-DT	No
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6000 V AC
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	
CONNECTION TYPE	Base fixing
MOUNTING METHOD	Floor fastening
OVERVOLTAGE CATEGORY	III
DEGREE OF PROTECTION	IP20
MODEL	Top mounting
LAMP HOLDER	None
TERMINAL CAPACITY (STRANDED)	0.5 - 2.5 mm ²
SHORT-CIRCUIT PROTECTION	PKZM0-10/FAZ-B6/1, Contacts, Max. short-circuit protective device, Fuseless
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
RATED OPERATIONAL CURRENT (IE) AT DC-13, 500 V	0.1 A
SHORT-CIRCUIT PROTECTION RATING	Max. 10 A gG/gL, Fuse, Contacts
OPERATING TORQUE	0.8 Nm
RATED INSULATION VOLTAGE (UI)	500 V
RATED OPERATIONAL	6 A

**CURRENT (IE) AT AC-15,
115 V**

RATED OPERATIONAL

**CURRENT (IE) AT AC-15, 6 A
220 V, 230 V, 240 V**

RATED OPERATIONAL

**CURRENT (IE) AT AC-15, 4 A
380 V, 400 V, 415 V**

RATED OPERATIONAL

**CURRENT (IE) AT AC-15, 2 A
500 V**

RATED OPERATIONAL

**CURRENT (IE) AT DC-13, 0.6 A
110 V**

RATED OPERATIONAL

**CURRENT (IE) AT DC-13, 0.3 A
220 V, 230 V**

RATED OPERATIONAL

**CURRENT (IE) AT DC-13, 3 A
24 V**

RATED OPERATIONAL

**CURRENT (IE) AT DC-13, 1.7 A
42 V**

RATED OPERATIONAL

**CURRENT (IE) AT DC-13, 1.2 A
60 V**

RATED OPERATIONAL

**CURRENT FOR SPECIFIED 6 A
HEAT DISSIPATION (IN)**

TERMINAL CAPACITY

**(FLEXIBLE WITH 0.5 - 1.5 mm²
FERRULE)**

TERMINAL CAPACITY

(SOLID) 0.75 - 2.5 mm²

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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