Specifications

Photo is representative

Eaton 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

General specifications	
PRODUCT NAME	Eaton Moeller® series M22 contact element
CATALOG NUMBER	216376
MODEL CODE	M22-K10
EAN	4015082163761
PRODUCT LENGTH/DEPTH	38 mm
PRODUCT HEIGHT	10 mm
PRODUCT WIDTH	32 mm
PRODUCT WEIGHT	0.01 kg
COMPLIANCES	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 CSA Class No.: 3211-03 UL

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Product specifications

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.
TYPE	Auxiliary contact
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	Meets the product standard's requirements.

Resources

CATALOGUES	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
CERTIFICATION REPORTS	000Z425
CONTROL TRAVEL DIAGRAM	eaton-operating-diagram-m22-contact-element-contact-travel-diagram-007.eps
DECLARATIONS OF CONFORMITY	eaton-contact-element-declaration-of-conformity-eu251539en.pdf eaton-accessory-declaration-of-conformity-uk251351en.pdf
DRAWINGS	eaton-circuit-breaker-release-nzm-mccb-dimensions.eps eaton-operating-actuation-m22-led-element-dimensions.eps eaton-general-standards-000Z425.jpg eaton-operating-contact-m22-contact-element-3d-drawing-004.eps eaton-operating-devices-adapter-flow-diagram-002.eps
ECAD MODEL	ETN.216376.edz
INSTALLATION INSTRUCTIONS	IL04716002Z eaton-operating-devices-rmq-titan-m22-instruction-leaflet-il047018zu.pdf
MCAD MODEL	eaton-cont-blocks-mcad-drawings-kontakt-schraube-front.dwg DA-CS-kontaktelement_schraube_front
PEP ECO-PASSPORT	eaton-contact-blocks-pep-eato-00317-v0101-en.pdf
WIRING DIAGRAMS	eaton-circuit-breaker-contact-m22-contact-element-wiring-diagram-007.eps eaton-circuit-breaker-contact-m22-contact-element-wiring-diagram-006.eps eaton-operating-contact-m22-contact-element-wiring-diagram-002.eps

TO NORMAL HEAT	
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.
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, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
ACTUATING FORCE - MAX	5 N
AMBIENT OPERATING	70 °C

TEMPERATURE - MAX	
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT STORAGE TEMPERATURE - MAX	85 °C
AMBIENT STORAGE TEMPERATURE - MIN	-25 °C
CONVENTIONAL THERMAL CURRENT ITH OF AUXILIARY CONTACTS (1-POLE, OPEN)	4 A
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
FORCE FOR POSITIVE OPENING - MIN	0 N
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0.11 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)	6000 V AC
CONTACT CONFIGURATION	1 NO
CONNECTION TYPE	Front fixing Single contact
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
MODEL	Top mounting and integrable
LAMP HOLDER	None
TERMINAL CAPACITY (SOLID/FLEXIBLE WITH FERRULE)	1 x (0,75 - 2,5) mm² 2 x (0,75 - 2,5) mm²
RATED OPERATIONAL CURRENT (IE)	1 A - 250 V DC 5 A – 600 V AC
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)
TERMINAL CAPACITY (STRANDED)	0.5 - 2.5 mm²
LIFESPAN, MECHANICAL	5,000,000 Operations
SHORT-CIRCUIT PROTECTION	PKZM0-10/FAZ-B6/1, Contacts, Max. short-circuit protective device, Fuseless
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
PRODUCT CATEGORY	Accessories
RATED OPERATIONAL CURRENT (IE) AT DC-13, 500 V	0.1 A
SHORT-CIRCUIT PROTECTION RATING	Max. 10 A gG/gL, Fuse, Auxiliary contacts Max. 10 A gG/gL, Fuse, Contacts
OPERATING TORQUE	0.8 Nm
RATED INSULATION VOLTAGE (UI)	500 V
RATED OPERATIONAL CURRENT (IE) AT AC-15, 115 V	6 A
RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V, 230 V, 240 V	6 A
RATED OPERATIONAL CURRENT (IE) AT AC-15, 380 V, 400 V, 415 V	4 A
RATED OPERATIONAL CURRENT (IE) AT AC-15, 500 V	2 A
RATED OPERATIONAL	0.6 A

CURRENT (IE) AT DC-13, 110 V	
RATED OPERATIONAL CURRENT (IE) AT DC-13, 220 V, 230 V	0.3 A
RATED OPERATIONAL CURRENT (IE) AT DC-13, 24 V	3 A
RATED OPERATIONAL CURRENT (IE) AT DC-13, 42 V	1.7 A
RATED OPERATIONAL CURRENT (IE) AT DC-13, 60 V	1.2 A
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	6 A
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	500 V
RATED OPERATIONAL VOLTAGE (UE) AT DC - MAX	220 V
TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	0.5 - 1.5 mm^2
TERMINAL CAPACITY (SOLID)	0.75 - 2.5 mm^2
SHOCK RESISTANCE	30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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

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