

Specifications



Eaton 180794

Eaton Moeller® series M22 Combination of contact element and self-monitoring contact element M22-K01SMC10, M22-A mounting adapter, and M22-XSMC signaling contact actuator, 3 NC

General specifications

PRODUCT NAME	Eaton Moeller® series M22 assembled contact element and mounting adapter
CATALOG NUMBER	180794
MODEL CODE	M22-AFK03SMC10
EAN	4015081759637
PRODUCT LENGTH/DEPTH	40.2 mm
PRODUCT HEIGHT	32.5 mm
PRODUCT WIDTH	16 mm
PRODUCT WEIGHT	0.024 kg
CERTIFICATIONS	IEC 60947-5-1



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Actuator

ACTUATING FORCE - MAX	13.5 N
KNOB TRAVEL	5.8 mm

Communication

CONNECTION TO SMARTWIRE-DT	No
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Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT STORAGE TEMPERATURE - MAX	85 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT STORAGE TEMPERATURE - MIN	-40 °C
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Dry heat to IEC 60068-2-2

Contacts

FORCE FOR POSITIVE OPENING - MIN	60 N
NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1

Electrical rating

RATED INSULATION VOLTAGE (UI)	250 V
RATED OPERATIONAL CURRENT (IE)	4 A at AC-15, 60 V
RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V, 230 V, 240 V	1.5 A
RATED OPERATIONAL CURRENT (IE) AT AC-15, 24 V	4 A
RATED OPERATIONAL CURRENT (IE) AT DC-13, 110 V	0.4 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, 60 V	0.8 A

General information

DEGREE OF PROTECTION	IP20
LIFESPAN, MECHANICAL	1,000,000 Operations (AC operated)
MODEL	Top mounting
OPERATING FREQUENCY	3600 Operations/h
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	3
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4000 V AC

Short-circuit rating

RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	1 kA
SHORT-CIRCUIT PROTECTION	FAZ-B4, Contacts, Max. short-circuit protective device, Fuseless
SHORT-CIRCUIT PROTECTION RATING	Max. 4 A gG/gL, Fuse, Contacts

Features & functions

ELECTRIC CONNECTION TYPE	Spring clamp connection
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Mounting details

CONNECTION TYPE	Front fixing Push-in clamp Cage Clamp
MOUNTING METHOD	Front fastening

Terminal capacities

TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	2 x (0.25 - 1) mm ² Use WAGO Variocrimp 4 crimping tool; please enquire for others
TERMINAL CAPACITY (SOLID)	2 x 1 (075 - 1.5) mm ² , Can be plugged without tools 2 x (0.2 - 1.5) mm ²
TERMINAL CAPACITY (SOLID/STRANDED AWG)	2 x (24 - 16)

Resources

CATALOGUES	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
CERTIFICATION REPORTS	000Z425
CONTROL TRAVEL DIAGRAM	eaton-operating-circuit-m22-contact-element-contact-travel-diagram-002.eps
DECLARATIONS OF CONFORMITY	eaton-contact-element-declaration-of-conformity-uk260062en.pdf eaton-assembled-contact-element-and-mounting-adapter-declaration-of-conformity-eu260061en.pdf
DRAWINGS	eaton-general-standards-000Z425.jpg
ECAD MODEL	DA-CE-ETN.M22-AFK03SMC10 IL04716005Z.pdf
INSTALLATION INSTRUCTIONS	eaton-rmq-titan-m22-m30-emergency-switching-off-emergency-stop-instruction-leaflet-il047025zu.pdf
MCAD MODEL	eaton-contact-blocks-mcad-drawings-m22-afk03smc10.dwg DA-CS-m22_afk03smc10
WIRING DIAGRAMS	eaton-operating-m22-contact-element-wiring-diagram-003.eps

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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