

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 Accessory Contact element
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

Features & Functions

ELECTRIC CONNECTION TYPE	Spring clamp connection
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Ambient conditions, mechanical

SHOCK RESISTANCE	50 g, Mechanical, Shock duration 11 ms
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Terminal capacities

TERMINAL CAPACITY (FLEXIBLE WITH FERRULE)	2 x (0.25 - 1) mm ² Use WAGO Variocrimp 4 crimping tool; please enquire for others
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TERMINAL CAPACITY (SOLID)	2 x 1 (0.75 - 1.5) mm ² , Can be plugged without tools 2 x (0.2 - 1.5) mm ²
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TERMINAL CAPACITY (SOLID/STRANDED AWG)	2 x (24 - 16)
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General

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

Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT STORAGE TEMPERATURE - MIN	-40 °C
AMBIENT STORAGE TEMPERATURE - MAX	85 °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

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,	0.2 A

220 V, 230 V

RATED OPERATIONAL CURRENT (IE) AT DC-13, 24 V	1.5 A
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RATED OPERATIONAL CURRENT (IE) AT DC-13, 60 V	0.8 A
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Short-circuit rating

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

ACTUATING FORCE - MAX	13.5 N
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ACTUATOR TRAVEL AND ACTUATION FORCE (DIN EN 60947-5-1)	5.5 mm
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KNOB TRAVEL	5.8 mm
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Communication

CONNECTION TO SMARTWIRE-DT	No
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CONNECTION TYPE	Front fixing Push-in clamp Cage Clamp
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Contacts

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

CATALOGUES	Flip catalog - Product Range Catalog - Command and indication
	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
	eaton-rmq-titan-brochure-br047004en-en-us.pdf

CERTIFICATION REPORTS	000Z425
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CONTROL TRAVEL DIAGRAM	eaton-operating-circuit-m22-contact-element-contact-travel-diagram-002.eps
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DECLARATIONS OF CONFORMITY	eaton-accessory-declaration-of-conformity-uk251351en.pdf
	DA-DC-00004971.pdf
	DA-DC-00004157.pdf
	eaton-accessory-declaration-of-conformity-eu250868en.pdf
	DA-DC-00004135.pdf
	DA-DC-00004975.pdf

DRAWINGS	eaton-general-standards-000Z425.jpg
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ECAD MODEL	DA-CE-ETN.M22-AFK03SMC10
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FLYERS	eaton-rmq-titan-selection-aid-brochure-fl047002-en-us.pdf
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INSTALLATION INSTRUCTIONS	IL04716005Z.pdf
	eaton-rmq-titan-m22-m30-emergency-switching-off-emergency-stop-instruction-leaflet-il047025zu.pdf

INSTALLATION VIDEOS	RMQ Flat Design
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MCAD MODEL	DA-CD-m22_afk03smc10
	DA-CS-m22_afk03smc10

	easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator RMQ small E-Stop emergency-stop button MCI MultiColor Light Indicator RMQ compact solution MCI Multicolor Light Indicator M22 with SmartWire-DT
MULTIMEDIA	
	eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf eaton-control circuit-devices rmq-titan-fl144090en-en-us.pdf eaton-rmq-small-e-stop-flyer-fl047006en-en-us.pdf eaton-rmq-flat-enclosure-flyer-fl047003en-en-us.pdf
SALES NOTES	
	eaton-operating-m22-contact-element-wiring-diagram-003.eps
WIRING DIAGRAMS	

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	