Specifications



Eaton 180792

Eaton Moeller® series M22 Contact element, Cage Clamp, Push-in, Front fixing, 1 N/O, 24 V 1.5 A, 230 V 1.5 A

General specifications

PRODUCT NAME	Eaton Moeller® series M22 Accessory Contact element
CATALOG NUMBER	180792
MODEL CODE	M22-FK10
EAN	4015081759613
PRODUCT LENGTH/DEPTH	40.2 mm
PRODUCT HEIGHT	10 mm
PRODUCT WIDTH	14 mm
PRODUCT WEIGHT	0.004 kg
CERTIFICATIONS	UL UL 508 UL Category Control No.: NKCR CSA-C22.2 No. 94-91 CSA Class No.: 3211-03 CSA CSA-C22.2 No. 14-05 UL File No.: E29184 CE CSA File No.: 012528 IEC 60947-5-1 IEC/EN 60947-5

Powering Business Worldwide

Features & Functions

ELECTRIC CONNECTION TYPE	Spring clamp connection

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

Ambient conditions, mechanical

SHOCK RESISTANCE	50 g, Mechanical, according to IEC/EN 60068-2-27, Half-Sinusoidal shock 11 ms

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, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78 Dry heat to IEC 60068-2-2

Terminal capacities

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

Electrical rating

RATED INSULATION VOLTAGE (UI)	250 V
RATED OPERATIONAL CURRENT (IE)	2 A at AC-15, 110 V 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
RATED OPERATIONAL CURRENT (IE) AT DC-13, 60 V	0.8 A

Short-circuit rating

SHORT-CIRCUIT PROTECTION	FAZ-B4, Contacts, Max. short-circuit protective device, Fuseless
SHORT-CIRCUIT PROTECTION RATING	Max. 4 A gG/gL, Fuse, Contacts

Communication

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

Actuator

ACTUATING FORCE - MAX	4.5 N

Contacts

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

Resources

CATALOGUES	eaton-rmq-titan-brochure-br047004en-en-us.pdf eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf Flip catalog - Product Range Catalog - Command and indication
CONTROL TRAVEL DIAGRAM	eaton-operating-diagram-m22-contact-element-contact-travel-diagram-002.eps
DECLARATIONS OF CONFORMITY	DA-DC-00004971.pdf DA-DC-00004975.pdf DA-DC-00004157.pdf DA-DC-00004135.pdf
DRAWINGS	eaton-operating-m22-contact-element-dimensions-003.eps eaton-operating-m22-contact-element-dimensions.eps eaton-operating-m22-contact-element-3d-drawing-004.eps eaton-general-standards-000Z425.jpg
ECAD MODEL	ETN.180792.edz
FLYERS	eaton-rmq-titan-selection-aid-brochure-fl047002-en-us.pdf
INSTALLATION INSTRUCTIONS	IL04716002Z
INSTALLATION VIDEOS	RMQ Flat Design
MCAD MODEL	DA-CD-m22_fk01 DA-CS-m22_fk10 DA-CS-m22_fk01
MULTIMEDIA	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
SALES NOTES	eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf eaton-control circuit-devices rmq-titan-fl144090en-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-contact-m22-contact-element-wiring-diagram-002.eps

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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