Specifications



Eaton 180793

Eaton Moeller® series M22 Self-monitoring contact elements, Cage Clamp, Push-in, Front fixing, 1 NC, 24 V 1.5 A

General specifications

PRODUCT NAME	Eaton Moeller® series M22 Accessory Contact element
CATALOG NUMBER	180793
MODEL CODE	M22-FK01SMC10
EAN	4015081759620
PRODUCT LENGTH/DEPTH	40.2 mm
PRODUCT HEIGHT	20 mm
PRODUCT WIDTH	16 mm
PRODUCT WEIGHT	0.009 kg
CERTIFICATIONS	IEC 60947-5-1 UL Category Control No.: NKCR UL 508 CSA File No.: 012528 IEC/EN 60947-5 CE CSA Class No.: 3211-03 CSA-C22.2 No. 94-91 CSA UL CSA-C22.2 No. 14-05 UL File No.: E29184
CATALOG NOTES	Contacts with safety function, by positive opening to IEC/EN 60947-5-1

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

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 (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

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

Communication

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

Actuator

ACTUATING FORCE - MAX	4.5 N
ACTUATOR TRAVEL AND ACTUATION FORCE (DIN EN 60947-5-1)	5.5 mm
KNOB TRAVEL	5.8 mm

Contacts

FORCE FOR POSITIVE OPENING - MIN	20 N
NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
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
CERTIFICATION REPORTS	000Z425
CONTROL TRAVEL DIAGRAM	eaton-operating-circuit-m22-contact-element-contact-travel-diagram-002.eps
DECLARATIONS OF CONFORMITY	eaton-accessory-declaration-of-conformity-uk251351en.pdf eaton-accessory-declaration-of-conformity-eu250868en.pdf DA-DC-00004975.pdf DA-DC-00004971.pdf DA-DC-00004135.pdf DA-DC-00004157.pdf
DRAWINGS	eaton-operating-m22-contact-element-dimensions-002.eps eaton-operating-m22-contact-element-3d-drawing-005.eps eaton-general-standards-000Z425.jpg
ECAD MODEL	ETN.180793.edz
FLYERS	eaton-rmq-titan-selection-aid-brochure-fl047002-en-us.pdf
INSTALLATION INSTRUCTIONS	IL04716002Z IL04716005Z.pdf
INSTALLATION VIDEOS	RMQ Flat Design
MCAD MODEL	DA-CS-m22_fk01smc10 DA-CD-m22_fk01smc10

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

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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

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