

Specifications



Eaton 180791

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

General specifications

PRODUCT NAME	Eaton Moeller® series M22 Accessory Contact element
CATALOG NUMBER	180791
MODEL CODE	M22-FK01
EAN	4015081759606
PRODUCT LENGTH/DEPTH	40.2 mm
PRODUCT HEIGHT	10 mm
PRODUCT WIDTH	14 mm
PRODUCT WEIGHT	0.004 kg
CERTIFICATIONS	UL 508 CSA File No.: 012528 UL File No.: E29184 CSA IEC/EN 60947-5 UL CSA Class No.: 3211-03 CSA-C22.2 No. 94-91 UL Category Control No.: NKCR CE IEC 60947-5-1 CSA-C22.2 No. 14-05
CATALOG NOTES	Contacts with safety function, by positive opening to IEC/EN 60947-5-1
GLOBAL CATALOG	180791

Product specifications

ELECTRIC CONNECTION TYPE	Spring clamp 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 Dry heat to IEC 60068-2-2
ACTUATING FORCE - MAX	4.5 N
ACTUATOR TRAVEL AND ACTUATION FORCE (DIN EN 60947-5-1)	5.5 mm
AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT STORAGE TEMPERATURE - MAX	85 °C
AMBIENT STORAGE TEMPERATURE - MIN	-40 °C
FORCE FOR POSITIVE OPENING - MIN	20 N
KNOB TRAVEL	5.8 mm
NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	0
NUMBER OF SWITCHES (FAULT SIGNAL)	0
CONNECTION TO SMARTWIRE-DT	No
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4000 V AC
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	1 kA
CONNECTION TYPE	Front fixing Cage Clamp Push-in clamp
MOUNTING METHOD	Front fastening

Resources

	eaton-rmq-titan-brochure-br047004en-en-us.pdf
	Flip catalog - Product Range Catalog - Command and indication
CATALOGS	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
CONTROL TRAVEL DIAGRAM	eaton-operating-circuit-m22-contact-element-contact-travel-diagram.eps
	DA-DC-00004135.pdf
	DA-DC-00004157.pdf
DECLARATIONS OF CONFORMITY	DA-DC-00004975.pdf
	DA-DC-00004971.pdf
	eaton-accessory-declaration-of-conformity-eu250868en.pdf
DRAWINGS	eaton-operating-m22-contact-element-dimensions-003.eps
	eaton-operating-m22-contact-element-dimensions.eps
	eaton-general-standards-000Z425.jpg
	eaton-operating-m22-contact-element-3d-drawing-004.eps
ECAD MODEL	ETN.180791.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_fk01
MULTIMEDIA	easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator

OVERVOLTAGE CATEGORY	III
DEGREE OF PROTECTION	IP20
MODEL	Top mounting
LAMP HOLDER	None
RATED OPERATIONAL CURRENT (IE)	4 A at AC-15, 60 V 2 A at AC-15, 110 V
LIFESPAN, MECHANICAL	1,000,000 Operations (AC operated)
SHORT-CIRCUIT PROTECTION	FAZ-B4, Contacts, Max. short-circuit protective device, Fuseless
SHORT-CIRCUIT PROTECTION RATING	Max. 4 A gG/gL, Fuse, Contacts
RATED INSULATION VOLTAGE (UI)	250 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
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 (0.75 - 1.5) mm ² , Can be plugged without tools
TERMINAL CAPACITY (SOLID/STRANDED AWG)	2 x (24 - 16)
TERMINAL CAPACITY (FLEXIBLE)	2 x (0.25 - 1) mm ² , without ferrule Insert with tool
SHOCK RESISTANCE	50 g, Mechanical, according to IEC/EN 60068-2-27, Half-

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

Sinusoidal shock 11 ms

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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