Eaton 116009

Eaton Moeller® series M22 Function element, for combination with RMQ-Titan operating elements M22-..., 2 changeover contact, Base fixing, white

PRODUCT NAME	Eaton Moeller® series M22 Function element
CATALOG NUMBER	116009
PRODUCT LENGTH/DEPTH	45 mm
PRODUCT HEIGHT	42 mm
PRODUCT WIDTH	17 mm
PRODUCT WEIGHT	0.013 kg
CERTIFICATIONS	UL CSA Class No.: 3211-07 CSA File No.: 2324643 UL File No.: E29184 UL Category Control No.: NKCR EN 50178 IEC/EN 61131-2 CSA

Powering Business Worldwide

□□□□	
AIR DISCHARGE	8 kV, according to IEC 61131-2, level 3, ESD
10.10 TEMPERATURE RISE	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 SHORT-CIRCUIT RATING	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 MECHANICAL FUNCTION	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
10.2.2 CORROSION RESISTANCE	Meets the product standard's requirements.
10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES	Meets the product standard's requirements.
10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	Meets the product standard's requirements.
10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	Meets the product standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	Meets the product standard's requirements.
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 INSCRIPTIONS	Meets the product standard's requirements.
10.3 DEGREE OF PROTECTION OF ASSEMBLIES	Does not apply, since the entire switchgear needs to be evaluated.
10.4 CLEARANCES AND	Meets the product

□□	
DECLARATIONS OF CONFORMITY	eaton-function-element-declaration-of-conformity-uk250989en.pdf
□□□□□	IL04716004Z2021_10.pdf
□□□	eaton-modular-plc-m22-function-element-wiring-diagram-002.eps
□□□□□	eaton-operating-diagram-m22-contact-element-contact-travel-diagram-009.eps
□□	eaton-operating-button-symbol-013.eps eaton-operating-function-m22-function-element-3d-drawing.eps eaton-operating-m22-function-element-flow-diagram-002.eps
□□/□□	RMQ small E-Stop emergency-stop button

CREEPAGE DISTANCES	standard's requirements.
10.5 PROTECTION AGAINST ELECTRIC SHOCK	Does not apply, since the entire switchgear needs to be evaluated.
10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS	Does not apply, since the entire switchgear needs to be evaluated.
10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS	Is the panel builder's responsibility.
10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS	Is the panel builder's responsibility.
10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH	Is the panel builder's responsibility.
10.9.3 IMPULSE WITHSTAND VOLTAGE	Is the panel builder's responsibility.
10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL	Is the panel builder's responsibility.
ELECTRIC CONNECTION TYPE	Flat plug-in connection
POLLUTION DEGREE	2
BURST IMPULSE	2 kV, Supply cable, according to IEC/EN 61131-2, Level 3 1 kV, SmartWire-DT cable, according to IEC/EN 61131-2, Level 3
ADDRESSING	Address set automatically
AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT OPERATING TEMPERATURE - MIN	-30 °C
AMBIENT STORAGE TEMPERATURE - MAX	80 °C
AMBIENT STORAGE TEMPERATURE - MIN	-40 °C
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
HEIGHT OF FALL (IEC/EN 60068-2-32) - MAX	0.3 m
NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0

NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	2
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	2
NUMBER OF SWITCHES (FAULT SIGNAL)	0
CONNECTION TO SMARTWIRE-DT	Yes
COLOR	White
ENVIRONMENTAL CONDITIONS	Condensation: prevent with appropriate measures
MOUNTING POSITION	As required
CONNECTION TYPE	SWD: Plug, 8-pole Base fixing
MOUNTING METHOD	Front fastening
CONNECTION	SmartWire-DT plug connector M22-SWD-I...LP
CONTACT DISCHARGE	4 kV, according to IEC/EN 61131-2, Level 2, ESD
OVERVOLTAGE CATEGORY	Not applicable
DEGREE OF PROTECTION	IP20
CONSTANT ACCELERATION	1 g, 8.4 - 150 Hz, according to IEC/EN 61131-2, Vibrations
MODEL	Top mounting
CONSTANT AMPLITUDE	3,5 mm, 5 - 8.4 Hz, according to IEC/EN 61131-2, Vibrations
LAMP HOLDER	LED not exchangeable
FUNCTIONS	For combination with RMQ-Titan operating elements M22-... Diagnosis function
ELECTROMAGNETIC FIELDS	10 V/m at 80 - 1000 MHz (according to IEC/EN 61131-2:2008) 3 V/m at 1.4 - 2 GHz (according to IEC/EN 61131-2:2008) 1 V/m at 2.0 - 2.7 GHz (according to IEC/EN 61131-2:2008)
RADIATED RFI	10 V (IEC/EN 61131-2:2008, Level 3)
DROP AND TOPPLE	50 mm Drop height, Drop to IEC/EN 60068-2-31
RADIO INTERFERENCE	Class A (EN 55011)

CLASS	
RELATIVE HUMIDITY	5 - 95 % (non-condensing, IEC/EN 60068-2-30)
LED INDICATOR	Status indication of SmartWire-DT network: Green LED Status indication of Switching state: Yellow LED
STATION	SmartWire-DT slave, SmartWire-DT network
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0.3 W
PRODUCT CATEGORY	SmartWire-DT RMQ connections
RATED OPERATIONAL CURRENT (IE) AT AC-15, 220 V, 230 V, 240 V	0 A
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A
SHOCK RESISTANCE	15 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 11 ms, 9 Impacts

□□□□:	
□□□□:	
□□□:	
□□:	

Powering Business Worldwide

□□□□ Eaton House
30 Pembroke Road
Dublin 4, □□□
Eaton.com

□□□□□□□□□□□□□□□□□□□□□□□□□□□□□