Specifications







Eaton 216878

Eaton Moeller® series M22 Emergency stop/emergency switching off pushbutton, RMQ-Titan, Mushroom-shaped, 38 mm, Illuminated with LED element, Pull-to-release function, Red, yellow, RAL 3000

General specifications	
PRODUCT NAME	Eaton Moeller® series M22 emergency stop/emergency switching off pushbutton
CATALOG NUMBER	216878
MODEL CODE	M22-PVL
EAN	4015082168780
PRODUCT LENGTH/DEPTH	38 mm
PRODUCT HEIGHT	70 mm
PRODUCT WIDTH	38 mm
PRODUCT WEIGHT	0.039 kg
COMPLIANCES	CE Marked
CERTIFICATIONS	CSA Std. C22.2 No. 14-05 UL 508 CSA Std. C22.2 No. 94-91 EN 60947-5 IEC 60947-5 VDE UL IEC/EN 60947 UL Category Control No.: NKCR CSA IEC/EN 60947-5 UL File No.: E29184 CSA Class No.: 3211-03 CSA-C22.2 No. 14-05 CSA-C22.2 No. 94-91 VDE 0660 CE CSA File No.: 012528 DNV
CATALOG NOTES	Max. Configuration: 4 x M22-(C)K01, …10 or 2 x M22-(C)K02, …20, …11 and 1 x M22-(F)LED... - When using M22-PVL… with 1 x M22-K01SMC10 (single channel), article M22-XSMC (order no.: 173030) is required. Order this item separately.

Actuator

ACTUATING FORCE	50 N
ACTUATOR COLOR	Red
ACTUATOR DIAMETER	38 mm
ACTUATOR FUNCTION	Switching function latching Pull-to-release
COLOR	Red
DESIGN	Mushroom-shaped Classical
ILLUMINATION	Illuminated with LED element
UNLOCKING METHOD	Pull-release

Contacts

FORCE FOR POSITIVE OPENING - MIN	0 N

Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT STORAGE TEMPERATURE - MAX	80 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT STORAGE TEMPERATURE - MIN	40 °C
CLIMATIC PROOFING	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78

Communication

CONNECTION TO SMARTWIRE-DT	No

Design verification

10.10 TEMPERATURE RISE	Not applicable.
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	Please enquire
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 CREEPAGE DISTANCES	Meets the product 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.

Features & functions

BASE COLOR	Yellow
BEZEL COLOR	Other
BEZEL MATERIAL	Other
DESIGN	Mushroom-shaped Classical
FEATURES	Tamper-proof (according to ISO 13850, EN 418)
RAL-NUMBER	3000

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.
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W

General information

DEGREE OF PROTECTION	IP66 NEMA 4X, 13
LIFESPAN, MECHANICAL	100,000 Operations
MOUNTING POSITION	As required
OPENING DIAMETER	22.5 mm
OPERATING FREQUENCY	600 Operations/h
PRODUCT CATEGORY	RMQ-Titan
SIZE	Front dimensions: 35 mm
SUITABLE FOR	Emergency stop Illumination
TYPE	Controlled stop pushbutton/emergency-stop button

Resources

CATALOGUES	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-emergency-stop-emergency-switching-off-pushbutton-declaration-of-conformity-uk251132en.pdf eaton-emergency-stop-emergency-switching-off-pushbutton-declaration-of-conformity-eu251534en.pdf
DRAWINGS	eaton-operating-emergency-m22-dimensions.eps eaton-operating-emergency-m22-dimensions-002.eps eaton-general-approval-m22-symbol.eps eaton-operating-button-symbol-006.eps eaton-operating-button-m22-symbol-006.eps eaton-general-m22-standards.eps eaton-operating-emergency-m22-3d-drawing-004.eps eaton-general-m22-symbol.eps
ECAD MODEL	ETN.216878.edz
INSTALLATION INSTRUCTIONS	IL04716002Z IL04716005Z.pdf
MCAD MODEL	DA-CS-not_aus

PEP ECO-PASSPORT	eaton-front-element-for-mushroom-pushbuttons-pep-eato-00328-v0101-en.pdf

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:

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