

Specifications



Eaton 216514

Eaton Moeller® series M22 Emergency stop/emergency switching off pushbutton, RMQ-Titan, Mushroom-shaped, 38 mm, Non-illuminated, Key-release, 1 NC, Red, yellow, RAL 3000, Not suitable for master key systems

General specifications

PRODUCT NAME	Eaton Moeller® series M22 Emergency stop/emergency switching off pushbutton
CATALOG NUMBER	216514
MODEL CODE	M22-PVS/K01
EAN	4015082165147
PRODUCT LENGTH/DEPTH	115 mm
PRODUCT HEIGHT	38 mm
PRODUCT WIDTH	38 mm
PRODUCT WEIGHT	0.073 kg
CERTIFICATIONS	CE CSA File No.: 012528 IEC/EN 60947-5 UL File No.: E29184 CSA CSA Class No.: 3211-03 UL UL 508 VDE 0660 CSA-C22.2 No. 14-05 CSA-C22.2 No. 94-91 IEC/EN 60947 UL Category Control No.: NKCR DNV GL LR
CATALOG NOTES	Max. number of contacts: four M22-(C)K01, ...10 or two M22-(C)K02, ...20, ...11

Product specifications

TYPE	Controlled stop pushbutton/emergency-stop button
ACCESSORIES	1 key included with supplied equipment.
ACTUATOR COLOR	Red
FEATURES	Tamper-proof (according to ISO 13850, EN 418)
ACTUATOR FUNCTION	Key-release
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	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	Does not apply, since the entire switchgear needs to be

Resources

CATALOGS	Flip catalog - Product Range Catalog - Command and indication eaton-rmq-titan-brochure-br047004en-en-us.pdf eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
CERTIFICATION REPORTS	000Z425
DECLARATIONS OF CONFORMITY	DA-DC-00004971.pdf DA-DC-00004975.pdf
DRAWINGS	eaton-operating-emergency-m22-dimensions-002.eps eaton-operating-actuation-m22-dimensions.eps eaton-general-m22-symbol.eps eaton-general-m22-standards.eps eaton-general-approval-m22-symbol.eps eaton-operating-button-symbol.eps eaton-operating-m22-symbol.eps
ECAD MODEL	ETN.M22-PVS_K01
INSTALLATION INSTRUCTIONS	IL04716002Z
INSTALLATION VIDEOS	RMQ Flat Design
MCAD MODEL	bg_pvs_001.dwg bg_pvs_001 MCI MultiColor Light Indicator RMQ compact solution MCI Multicolor Light Indicator M22 with SmartWire-DT
MULTIMEDIA	easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator RMQ small E-Stop emergency-stop button
SALES NOTES	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

SHOCK	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.
OPERATING FREQUENCY	500 Operations/h
POLLUTION DEGREE	3
CLIMATIC PROOFING	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
CONNECTION TO SMARTWIRE-DT	No
ILLUMINATION	Non-illuminated
BASE COLOR	Yellow
ACTUATING FORCE	50 N
ACTUATOR DIAMETER	38 mm
ACTUATOR TRAVEL AND ACTUATION FORCE (DIN EN 60947-5-1)	4.8 mm
AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
DIAMETER CAP	38 mm
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
FORCE FOR POSITIVE OPENING - MIN	15 N
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0.11 W
KNOB TRAVEL	5.7 mm
LAMP VOLTAGE - MAX	0 V
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	0

	eaton-control circuit-devices rmq-titan-fl144090en-en-us.pdf
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - 216514
SYSTEM OVERVIEW	Pilot devices - selection aid
WIRING DIAGRAMS	eaton-operating-contact-m22-wiring-diagram.eps

COLOR	Red
DESIGN	Mushroom-shaped Classical
MOUNTING POSITION	As required
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	1 kA
CONNECTION TYPE	Screw connection
MOUNTING METHOD	Built-in
OVERVOLTAGE CATEGORY	III
CONNECTION TYPE (AUXILIARY CIRCUIT)	Screw connection
DEGREE OF PROTECTION	IP67/IP69K NEMA 4X, 13
SHOCK RESISTANCE	Mechanical, According to IEC/EN 60068-2-27 50 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms
LIFESPAN, MECHANICAL	100,000 Operations
UNLOCKING METHOD	Key-release
OPENING DIAMETER	22.5 mm
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	6 A
STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS	0 W
PRODUCT CATEGORY	RMQ-Titan
SIZE	Front dimensions: 35 mm

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE: