

Specifications



Eaton 216523

Eaton Moeller® series M22 Housing, Controlled stop pushbuttons/emergency-stop buttons, Mushroom-shaped, 38 mm, Non-illuminated, Key-release, 1 NC, 1 N/O, Screw connection, Number of locations 1, Red, Yellow

General specifications

PRODUCT NAME	Eaton Moeller® series M22 emergency stop key-release button
CATALOG NUMBER	216523
MODEL CODE	M22-PVS/KC11/IY
EAN	4015082165239
PRODUCT LENGTH/DEPTH	115 mm
PRODUCT HEIGHT	80 mm
PRODUCT WIDTH	72 mm
PRODUCT WEIGHT	0.214 kg
CERTIFICATIONS	CE CSA CSA File No.: 012528 CSA-C22.2 No. 94-91 IEC/EN 60947-5 UL 508 CSA-C22.2 No. 14-05 UL File No.: E29184 IEC/EN 60947 UL Category Control No.: NKCR CSA Class No.: 3211-03 UL VDE 0660
GLOBAL CATALOG	216523
PRODUCT TYPE	Emergency stop key-release button

Product specifications

TYPE	- Controlled stop pushbutton/emergency-stop button - Housing
ACCESSORIES	1 key included with supplied equipment.
ACTUATOR COLOR	Red
FEATURES	Positive opening
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

Resources

CATALOGS	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-eu251534en.pdf eaton-emergency-stop-emergency-switching-off-pushbutton-declaration-of-conformity-uk251132en.pdf
	eaton-operating-emergency-m22-dimensions-002.eps
	eaton-operating-m22-housing-dimensions-002.eps
	eaton-general-m22-symbol.eps
DRAWINGS	eaton-general-approval-m22-symbol.eps
	eaton-general-standards-000Z425.jpg
	eaton-general-m22-standards.eps
	eaton-operating-button-symbol.eps
	000Z051
ECAD MODEL	ETN.216523.edz
INSTALLATION INSTRUCTIONS	IL04716005Z.pdf
	IL04716003Z
MCAD MODEL	eaton-enclosure-mcad-drawings-bg-pvs-aufbaug.dwg bg_pvs_aufbaug.stp
PEP ECO-PASSPORT	eaton-pushbutton-control-stations-pep-eato-00331-v0101-en.pdf
WIRING DIAGRAMS	eaton-operating-contact-m22-housing-wiring-diagram-003.eps

	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.
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	600 Operations/h
CLIMATIC PROOFING	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
CONNECTION TO SMARTWIRE-DT	No
ENCLOSURE MATERIAL	Plastic
ACTUATING FORCE	50 N
ACTUATOR DIAMETER	38 mm
ACTUATOR TRAVEL AND ACTUATION FORCE (DIN EN	4.8 mm

60947-5-1)	
AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID	0 W
FORCE FOR POSITIVE OPENING - MIN	20 N
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT- DEPENDENT PVID	0.11 W
KNOB TRAVEL	5.7 mm
NUMBER OF BUTTONS (MUSHROOM SHAPE)	1
NUMBER OF COMMAND POSITIONS	1
NUMBER OF CONTACTS (CHANGE- OVER CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1
NUMBER OF KEY SWITCHES	0
NUMBER OF LOCATIONS	1
NUMBER OF PILOT LIGHTS	0
NUMBER OF PUSHBUTTONS	0
ENCLOSURE COLOR	Yellow
ILLUMINATION	Non-illuminated
NUMBER OF SWITCHES (SELECTOR)	0
RATED CONTROL SUPPLY VOLTAGE	500 V

(US) AT AC, 50 HZ - MAX	
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN	115 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX	500 V
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN	115 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX	220 V
RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN	24 V
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
DESIGN	Mushroom-shaped
MOUNTING POSITION	As required
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	1 kA
CONNECTION TYPE	Screw connection
DEGREE OF PROTECTION	IP67/IP69K NEMA 4X, 13
LIFESPAN	100,000 mechanical Operations
SHOCK RESISTANCE	50 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27
SUITABLE FOR	Emergency stop
ENCLOSURE COVER COLOR	Yellow

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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

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