Specifications



Photo is representative

Eaton 216524

Eaton Moeller® series M22 Housing, Controlled stop pushbuttons/emergency-stop buttons, Mushroom-shaped, 38 mm, Non-illuminated, Pull-to-release function, 2 NC, Screw connection, Red, Yellow

General specifications	
PRODUCT NAME	Eaton Moeller® series M22 emergency stop pushbutton
CATALOG NUMBER	216524
MODEL CODE	M22-PV/KC02/IY
EAN	4015082165246
PRODUCT LENGTH/DEPTH	100 mm
PRODUCT HEIGHT	80 mm
PRODUCT WIDTH	72 mm
PRODUCT WEIGHT	0.194 kg
CERTIFICATIONS	CSA CSA-C22.2 No. 14-05 UL 508 CSA-C22.2 No. 94-91 IEC/EN 60947-5 UL CE UL Category Control No.: NKCR UL File No.: E29184 CSA Class No.: 3211-03 CSA File No.: 012528 IEC/EN 60947 VDE 0660
GLOBAL CATALOG	216524
PRODUCT TYPE	Emergency stop pushbutton

Product specifications

TYPE	• Controlled stop pushbutton/emergency-stop button • Housing
ACTUATOR COLOR	Red
ACTUATOR FUNCTION	Pull-to-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 SHOCK	Does not apply, since the entire switchgear needs to be evaluated.

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-uk251132en.pdf eaton-emergency-stop-emergency-switching-off-pushbutton-declaration-of-conformity-eu251534en.pdf
DRAWINGS	eaton-operating-m22-housing-dimensions.eps eaton-operating-emergency-m22-dimensions.eps eaton-general-totally-insulated-t0-main-switch-symbol.eps eaton-general-m22-symbol.eps eaton-general-approval-m22-symbol.eps eaton-operating-button-symbol-006.eps eaton-operating-button-symbol-008.eps eaton-general-m22-standards.eps 000Z051
ECAD MODEL	ETN.M22-PV_KC02_IY
INSTALLATION INSTRUCTIONS	IL04716005Z.pdf IL04716003Z
MCAD MODEL	DA-CS-bg_pv_aufbaug
PEP ECO-PASSPORT	eaton-pushbutton-control-stations-pep-eato-00331-v0101-en.pdf
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - 216524
WIRING DIAGRAMS	eaton-operating-contact-m22-housing-wiring-diagram-002.eps

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 60947-5-1)	4.8 mm
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	30 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)	2
NUMBER OF CONTACTS (NORMALLY OPEN	0

CONTACTS)	
NUMBER OF KEY SWITCHES	0
NUMBER OF PILOT LIGHTS	0
NUMBER OF PUSHBUTTONS	0
ENCLOSURE COLOR	Yellow
ILLUMINATION	Non-illuminated
NUMBER OF SWITCHES (SELECTOR)	0
RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX	500 V
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	IP Other 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:	

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