

Specifications



Photo is representative

Eaton 216516

Eaton M22 Emergency stop pushbutton, Mushroom-shaped, Classical, pull-release, 38 mm, 1 N/O, 1 N/C

General specifications

PRODUCT NAME	Eaton Moeller® series M22 emergency stop pushbutton
CATALOG NUMBER	216516
MODEL CODE	M22-PV/K11
EAN	4015082165161
PRODUCT LENGTH/DEPTH	90 mm
PRODUCT HEIGHT	38 mm
PRODUCT WIDTH	38 mm
PRODUCT WEIGHT	0.062 kg
CERTIFICATIONS	IEC/EN 60947-5 UL 508 UL File No.: E29184 UL UL Category Control No.: NKCR CSA-C22.2 No. 14-05 IEC/EN 60947 CSA CSA Class No.: 3211-03 CSA-C22.2 No. 94-91 VDE 0660 CE CSA File No.: 012528 DNV GL LR
CATALOG NOTES	Max. number of contacts: four M22-(C)K01, ...10 or two M22-(C)K02, ...20, ...11

Actuator

ACTUATING FORCE	50 N
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ACTUATOR COLOR	Red
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ACTUATOR DIAMETER	38 mm
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ACTUATOR FUNCTION	Pull-to-release
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ACTUATOR TRAVEL AND ACTUATION FORCE (DIN EN 60947-5-1)	4.8 mm
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DESIGN	Mushroom-shaped Classical
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ILLUMINATION	Non-illuminated
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KNOB TRAVEL	5.7 mm
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UNLOCKING METHOD	Pull-release
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Climatic environmental conditions

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

FORCE FOR POSITIVE OPENING - MIN	20 N
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NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
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NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	1
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Communication

CONNECTION TO SMARTWIRE-DT	No
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Design verification

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	Does not apply, since the

Features & functions

BASE COLOR	Yellow
DESIGN	Mushroom-shaped Classical
FEATURES	Tamper-proof (according to ISO 13850, EN 418)

AGAINST ELECTRIC SHOCK	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.
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0.11 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	6 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 METHOD Built-in

MOUNTING POSITION As required

OPENING DIAMETER 22.5 mm

OPERATING FREQUENCY 600 Operations/h

**OVERVOLTAGE
CATEGORY** III

POLLUTION DEGREE 3

PRODUCT CATEGORY RMQ-Titan

SIZE Front dimensions: 35 mm

TYPE Controlled stop
pushbutton/emergency-
stop button

Short-circuit rating

**RATED CONDITIONAL
SHORT-CIRCUIT CURRENT
(IQ)** 1 kA

Resources

CATALOGUES	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
CERTIFICATION REPORTS	000Z425
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-002.eps eaton-general-approval-m22-symbol.eps eaton-operating-button-symbol-006.eps eaton-general-m22-symbol.eps eaton-general-m22-standards.eps eaton-operating-mounting-m22-3d-drawing-002.eps
ECAD MODEL	DA-CE-ETN.M22-PV_K11
INSTALLATION INSTRUCTIONS	IL04716005Z.pdf IL04716002Z
MCAD MODEL	DA-CS-bg_pv_101 eaton-pushbuttons-mcad-drawings-bg-pv-101.dwg
PEP ECO-PASSPORT	eaton-pushbuttons-pep-eato-00304-v0101-en.pdf
WIRING DIAGRAMS	116S073

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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