

Specifications



Eaton 216515

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

General specifications

PRODUCT NAME	Eaton Moeller® series M22 emergency stop pushbutton
CATALOG NUMBER	216515
MODEL CODE	M22-PV/K01
EAN	4015082165154
PRODUCT LENGTH/DEPTH	90 mm
PRODUCT HEIGHT	38 mm
PRODUCT WIDTH	38 mm
PRODUCT WEIGHT	0.052 kg
CERTIFICATIONS	CE CSA File No.: 012528 IEC/EN 60947-5 CSA-C22.2 No. 14-05 UL VDE 0660 CSA-C22.2 No. 94-91 IEC/EN 60947 UL Category Control No.: NKCR CSA Class No.: 3211-03 UL 508 UL File No.: E29184 CSA 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
ACTUATOR COLOR	Red
ACTUATOR DIAMETER	38 mm
ACTUATOR FUNCTION	Pull-to-release

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, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
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Contacts

FORCE FOR POSITIVE OPENING - MIN	15 N
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NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	1
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NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	0
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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

Electrical rating

RATED OPERATIONAL VOLTAGE

24 V AC/DC (LED)

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

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

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-

Short-circuit rating

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

stop button

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-eu251534en.pdf](#)

[eaton-emergency-stop-emergency-switching-off-pushbutton-declaration-of-conformity-uk251132en.pdf](#)

DRAWINGS

[eaton-operating-emergency-m22-dimensions-002.eps](#)

[eaton-operating-mounting-m22-3d-drawing-002.eps](#)

[eaton-general-m22-symbol.eps](#)

[eaton-general-approval-m22-symbol.eps](#)

[eaton-operating-button-symbol-006.eps](#)

[eaton-general-m22-standards.eps](#)

ECAD MODEL

[ETN.M22-PV_K01](#)

INSTALLATION INSTRUCTIONS

[IL04716005Z.pdf](#)

[IL04716002Z](#)

MCAD MODEL

[DA-CS-bg_pv_001](#)

[eaton-pushbuttons-mcad-drawings-bg-pv-001.dwg](#)

PEP ECO-PASSPORT

[eaton-pushbuttons-pep-eato-00304-v0101-en.pdf](#)

WIRING DIAGRAMS

[eaton-operating-contact-m22-wiring-diagram-002.eps](#)

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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