

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



Powering Business Worldwide

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	Key-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
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ILLUMINATION	Non-illuminated
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KNOB TRAVEL	5.7 mm
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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	20 N
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NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
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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

Electrical rating

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

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	
DESIGN	Mushroom-shaped
ENCLOSURE COLOR	Yellow
ENCLOSURE MATERIAL	Plastic
FEATURES	Positive opening
NUMBER OF LOCATIONS	1

General information	
ACCESSORIES	1 key included with supplied equipment.
DEGREE OF PROTECTION	IP67/IP69K NEMA 4X, 13
LIFESPAN	100,000 mechanical Operations
MOUNTING POSITION	As required
OPERATING FREQUENCY	600 Operations/h
PRODUCT CATEGORY	RMQ-Titan
SIZE	Front dimensions: 35 mm
SUITABLE FOR	Emergency stop

Short-circuit rating

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

TYPE

- Controlled stop pushbutton/emergency-stop button
- Housing

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-m22-housing-dimensions-002.eps](#)

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

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

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

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

[000Z051](#)

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

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](#)

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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

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