

Specifications



Eaton 216529

Eaton Moeller® series M22 Housing, Pushbutton actuators, Enclosure, momentary, 2 NC, 2 N/O, Screw connection, Number of locations 2, Grey, inscribed, Bezel: titanium

General specifications

PRODUCT NAME	Eaton Moeller® series M22 assembled pushbutton
CATALOG NUMBER	216529
MODEL CODE	M22-I2-M1
EAN	4015082165291
PRODUCT LENGTH/DEPTH	80 mm
PRODUCT HEIGHT	70 mm
PRODUCT WIDTH	120 mm
PRODUCT WEIGHT	0.255 kg
COMPLIANCES	CE Marked
CERTIFICATIONS	IEC 60947-5 UL 508 EN 60947-5 CSA Std. C22.2 No. 94-91 CSA Std. C22.2 No. 14-05 VDE IEC/EN 60947-5 VDE 0660 CE CSA-C22.2 No. 14-05 CSA-C22.2 No. 94-91 CSA CSA Class No.: 3211-03 UL Category Control No.: NKCR UL File No.: E29184 CSA File No.: 012528 IEC/EN 60947 UL
CATALOG NOTES	Contacts with safety function, by positive opening to IEC/EN 60947-5-1

Actuator

ACTUATING FORCE	5 N
ACTUATOR COLOR	Green, red
ACTUATOR FUNCTION	Momentary
ACTUATOR TRAVEL AND ACTUATION FORCE (DIN EN 60947-5-1)	4.8 mm
BEZEL COLOR	Titanium
DESIGN	Enclosure
ENCLOSURE COLOR	Gray
ENCLOSURE MATERIAL	Plastic
INSCRIPTION	Inscribed
KNOB TRAVEL	5.7 mm
KNOCKOUTS	1 x M20 (cable entry knockout at the side) 2 x M25/20 (cable entry knockouts at the side) 2 x M20 (cable entry knockouts at the base)
NUMBER OF COMMAND POSITIONS	2
NUMBER OF LOCATIONS	2
RAL-NUMBER	7035

Communication

CONNECTION TO SMARTWIRE-DT	No
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Climatic environmental conditions

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

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	Meets the product

THERMAL STABILITY OF ENCLOSURES	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.
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	0.11 W

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

Short-circuit rating

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

POLE, CURRENT- DEPENDENT PVID

**RATED OPERATIONAL
CURRENT FOR SPECIFIED
HEAT DISSIPATION (IN)** 6 A

**STATIC HEAT
DISSIPATION, NON-
CURRENT-DEPENDENT
PVS** 0 W

General information

DEGREE OF PROTECTION IP67/IP69K
NEMA 4X, 13

LIFESPAN 5,000,000 mechanical
Operations

MOUNTING POSITION As required

OPERATING FREQUENCY 3600 Operations/h

PRODUCT CATEGORY RMQ-Titan

SIZE Front dimensions: 120 x
80 mm

TYPE Pushbutton actuator

Resources

[eaton-product-overview-
for-machinery-catalogue-
ca08103003zen-en-us.pdf](#)

CATALOGUES [eaton-pushbuttons-signal-
towers-sensors-
assortment-overview-
catalog-ca047003en-en-
us.pdf](#)

DECLARATIONS OF
CONFORMITY [eaton-pushbutton-
declaration-of-conformity-
uk260006en.pdf](#)
[eaton-pushbutton-
declaration-of-conformity-
eu251543en.pdf](#)

DRAWINGS [eaton-operating-surface-
mounting-m22-accessory-
dimensions-004.eps](#)
[eaton-operating-button-
symbol-007.eps](#)

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

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

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

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

[eaton-operating-button-m22-housing-symbol.eps](#)

ECAD MODEL	ETN.M22-I2-M1
INSTALLATION INSTRUCTIONS	IL04716002Z
MCAD MODEL	eaton-enclosure-mcad-drawings-bg-d-d-aufbaug.dwg bg_d_d_aufbaug.stp
WIRING DIAGRAMS	eaton-operating-pushbutton-m22-housing-wiring-diagram.eps

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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

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