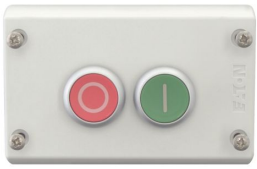
Specifications



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
GLOBAL CATALOG	216529

Powering Business Worldwide

Product specifications

TYPE	Pushbutton actuator
ACTUATOR COLOR	Green, red
ACTUATOR FUNCTION	Momentary
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.

Resources

DECLARATIONS OF CONFORMITY	eaton-pushbutton-declaration-of-conformity-eu250858en.pdf eaton-pushbutton-declaration-of-conformity-uk251341en.pdf
DRAWINGS	eaton-operating-surface-mounting-m22-accessory-dimensions-004.eps eaton-operating-mounting-m22-housing-3d-drawing.eps eaton-general-m22-symbol.eps eaton-general-m22-standards.eps eaton-operating-button-symbol-007.eps eaton-general-approval-m22-symbol.eps eaton-operating-button-m22-housing-symbol.eps
ECAD MODEL	ETN.M22-I2-M1
INSTALLATION INSTRUCTIONS	IL04716002Z
MCAD MODEL	bg_d_d_aufbaug bg_d_d_aufbaug.stp
SPECIFICATIONS AND DATASHEETS	Eaton Specification Sheet - 216529
WIRING DIAGRAMS	eaton-operating-pushbutton-m22-housing-wiring-diagram.eps

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.
OPERATING FREQUENCY	3600 Operations/h
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
CONNECTION TO SMARTWIRE-DT	No
ENCLOSURE MATERIAL	Plastic
ACTUATING FORCE	5 N
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	15 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)	0
NUMBER OF COMMAND	2

POSITIONS	
NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)	0
NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)	2
NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)	2
NUMBER OF KEY SWITCHES	0
NUMBER OF LOCATIONS	2
NUMBER OF PILOT LIGHTS	0
NUMBER OF PUSHBUTTONS	2
ENCLOSURE COLOR	Gray
BEZEL COLOR	Titanium
NUMBER OF SWITCHES (SELECTOR)	0
RAL-NUMBER	7035
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: 120 x 80 mm
COLOR	Light gray

DESIGN	Enclosure
MOUNTING POSITION	As required
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	1 kA
CONNECTION TYPE	Screw connection
DEGREE OF PROTECTION	IP67/IP69K NEMA 4X, 13
INSCRIPTION	Inscribed
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)
LIFESPAN	5,000,000 mechanical Operations
SHOCK RESISTANCE	Mechanical, According to IEC/EN 60068-2-27 30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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