

Specifications

Eaton 216510

Eaton M22 Pushbutton, flat, momentary, 1 N/C, red, Screw connection, Bezel: chrome



General specifications

PRODUCT NAME	Eaton Moeller® series M22 pushbutton
CATALOG NUMBER	216510
MODEL CODE	M22-D-R-X0/K01
EAN	4015082165109
PRODUCT LENGTH/DEPTH	70 mm
PRODUCT HEIGHT	30 mm
PRODUCT WIDTH	30 mm
PRODUCT WEIGHT	0.026 kg
CERTIFICATIONS	CE IEC/EN 60947-5 UL 508 VDE 0660 CSA-C22.2 No. 14-05 CSA-C22.2 No. 94-91 UL UL Category Control No.: NKCR CSA Class No.: 3211-03 IEC/EN 60947 UL File No.: E29184 CSA CSA File No.: 012528 DNV GL LR
CATALOG NOTES	Contacts with safety function, by positive opening to IEC/EN 60947- 5-1

Actuator

ACTUATING FORCE	5 N
ACTUATOR COLOR	Red
ACTUATOR DIAMETER	29.7 mm
ACTUATOR FUNCTION	Spring-return Momentary
ACTUATOR TRAVEL AND ACTUATION FORCE (DIN EN 60947-5-1)	4.8 mm
BEZEL COLOR	Chrome
BEZEL MATERIAL	Plastic
DESIGN	Flat Classical
ELECTRIC CONNECTION TYPE	Screw connection
FEATURES	Positive opening
FITTED WITH:	Front ring
INSCRIPTION	Inscribed
KNOB TRAVEL	5.7 mm
LENS TYPE	Round
NUMBER OF COMMAND POSITIONS	1

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

POLE, CURRENT-DEPENDENT PVID

RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	6 A
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STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
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General information

DEGREE OF PROTECTION	NEMA 4X, 13 IP67/IP69K
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LIFESPAN, MECHANICAL	1,000,000 Operations (AC operated)
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MOUNTING POSITION	As required
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OPENING DIAMETER	22.5 mm
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OPERATING FREQUENCY	1800 Operations/h
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OVERVOLTAGE CATEGORY	III
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POLLUTION DEGREE	3
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PRODUCT CATEGORY	RMQ-Titan
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SIZE	Front dimensions: 22 x 22 mm
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TYPE	Pushbutton actuator
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Short-circuit rating

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

CATALOGUES	eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf
	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-pushbutton-declaration-of-conformity-eu251543en.pdf
	eaton-pushbutton-declaration-of-conformity-uk260006en.pdf
DRAWINGS	eaton-general-m22-symbol.eps
	eaton-general-m22-standards.eps
	eaton-general-approval-m22-symbol.eps
	116C079
ECAD MODEL	ETN.216510.edz
INSTALLATION INSTRUCTIONS	IL04716002Z
MCAD MODEL	eaton-pushbuttons-mcad-drawings-bg-d-001.dwg
	DA-CS-bg_d_001
WIRING DIAGRAMS	116S017

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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