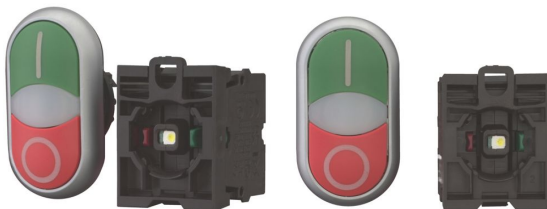


Specifications



Eaton 216509

Eaton M22 Double actuator pushbutton, flat, momentary, 1 N/O, 1 N/C, green, red, 230 V AC, Screw connection, Bezel: chrome

General specifications

PRODUCT NAME	Eaton Moeller® series M22 double actuator pushbutton
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CATALOG NUMBER	216509
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MODEL CODE	M22-DDL-GR- X1/X0/K11/230-W
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EAN	4015082165093
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PRODUCT LENGTH/DEPTH	30 mm
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PRODUCT HEIGHT	55 mm
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PRODUCT WIDTH	30 mm
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PRODUCT WEIGHT	0.015 kg
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CERTIFICATIONS	CSA-C22.2 No. 94-91 CSA Class No.: 3211-03 CSA-C22.2 No. 14-05 IEC/EN 60947-5 UL File No.: E29184 UL CSA CSA File No.: 012528 IEC/EN 60947 CE UL 508 UL Category Control No.: NKCR VDE 0660 DNV GL LR
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Actuator

ACTUATING FORCE	5 N
ACTUATOR COLOR	Green, red
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	Non-Flush Classical
ELECTRIC CONNECTION TYPE	Screw connection
FEATURES	Transparent
FITTED WITH:	Front ring LED element
INSCRIPTION	Inscribed
KNOB TRAVEL	5.7 mm
LENS TYPE	Round
LIGHT COLOR	White
NUMBER OF COMMAND POSITIONS	2

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

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 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 POLE, CURRENT-DEPENDENT PVID	0.11 W
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RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	6 A
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STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	1 W
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Electrical rating

RATED OPERATIONAL VOLTAGE	230 V AC
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Short-circuit rating

RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	1 kA
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General information

DEGREE OF PROTECTION	NEMA 4X, 13 IP66
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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: 29,7 x 54,7 mm
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SUITABLE FOR	Illumination
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TYPE	Double actuator
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Resources

	eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf
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CATALOGUES	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
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DECLARATIONS OF CONFORMITY	eaton-pushbutton-declaration-of-conformity-eu251543en.pdf eaton-pushbutton-declaration-of-conformity-uk260006en.pdf
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DRAWINGS	eaton-operating-actuation-m22-dimensions.eps
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[eaton-operating-pushbutton-m22-double-actuator-pushbutton-dimensions.eps](#)

[eaton-operating-button-m22-double-actuator-pushbutton-symbol-010.eps](#)

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

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

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

ECAD MODEL	DA-CE-ETN.M22-DDL-GR-X1 X0 K11 230-W
INSTALLATION INSTRUCTIONS	IL04716002Z
MCAD MODEL	DA-CS-bg_dd_1led1 eaton-pushbuttons-mcad-drawings-bg-dd-1led1.dwg
WIRING DIAGRAMS	eaton-operating-diagram-m22-double-actuator-pushbutton-wiring-diagram.eps

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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