Specifications



Photo is representative



Eaton 216946

Eaton Moeller® series M22 Illuminated pushbutton actuator, RMQ-Titan, Flush, maintained, red, Blank, Bezel: titanium

General specifications	
PRODUCT NAME	Eaton Moeller® series M22 illuminated pushbutton
CATALOG NUMBER	216946
MODEL CODE	M22-DRL-R
EAN	4015082169466
PRODUCT LENGTH/DEPTH	30 mm
PRODUCT HEIGHT	30 mm
PRODUCT WIDTH	30 mm
PRODUCT WEIGHT	0.012 kg
COMPLIANCES	CE Marked
CERTIFICATIONS	CSA Std. C22.2 No. 94-91 EN 60947-5 IEC 60947-5 CSA Std. C22.2 No. 14-05 UL 508 VDE CSA Class No.: 3211-03 UL Category Control No.: NKCR CSA-C22.2 No. 94-91 CE CSA CSA-C22.2 No. 14-05 IEC/EN 60947 CSA File No.: 012528 IEC/EN 60947-5 UL UL File No.: E29184 VDE 0660 DNV GL LR

Actuator

ACTUATING FORCE	5 N
ACTUATOR COLOR	Red
ACTUATOR FUNCTION	Maintained Switching function latching
BEZEL COLOR	Titanium
BEZEL MATERIAL	Plastic
DESIGN	Flush Classical
FITTED WITH:	Front ring
FUNCTIONS	Stay-put/spring-return function can be changed on device
INSCRIPTION	Blank
LENS TYPE	Round
NUMBER OF COMMAND POSITIONS	1

Communication

CONNECTION TO SMARTWIRE-DT	With SWD-RMQ connections Yes

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	Not applicable.
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 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W

General information

DEGREE OF PROTECTION	IP69K IP66 IP67 NEMA 3R NEMA 12 NEMA 13 NEMA 4X
DEGREE OF PROTECTION (FRONT SIDE)	NEMA 4X IP67/IP69K
LIFESPAN, MECHANICAL	1,000,000 Operations (AC operated)
MOUNTING POSITION	As required
OPENING DIAMETER	22.5 mm
OPERATING FREQUENCY	1800 Operations/h
PRODUCT CATEGORY	RMQ-Titan
SIZE	Front diameter: 29.7 mm
SUITABLE FOR	Illumination
TYPE	Illuminated pushbutton actuator

Resources

CATALOGUES	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf
DRAWINGS	eaton-operating-pushbutton-m22-dimensions-004.eps eaton-operating-actuation-m22-dimensions-002.eps eaton-general-approval-m22-symbol.eps eaton-operating-samrtwire-m22-3d-drawing.eps eaton-general-m22-symbol.eps eaton-operating-button-symbol-006.eps eaton-general-m22-standards.eps
ECAD MODEL	ETN.216946.edz
INSTALLATION INSTRUCTIONS	IL04716002Z
MCAD MODEL	DA-CS-drucktaste_flach eaton-pushbuttons-mcad-drawings-drucktaste-flach.dwg

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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