

Specifications



Eaton 216594

Eaton Moeller® series M22 Pushbutton, RMQ-Titan, Flat, momentary, red, Blank, Bezel: titanium

General specifications

PRODUCT NAME	Eaton Moeller® series M22 pushbutton
CATALOG NUMBER	216594
MODEL CODE	M22-D-R
EAN	4015082165949
PRODUCT LENGTH/DEPTH	30 mm
PRODUCT HEIGHT	30 mm
PRODUCT WIDTH	30 mm
PRODUCT WEIGHT	0.009 kg
COMPLIANCES	CE Marked
CERTIFICATIONS	UL 508 IEC 60947-5 EN 60947-5 CSA Std. C22.2 No. 14-05 CSA Std. C22.2 No. 94-91 VDE CSA CSA Class No.: 3211-03 CSA-C22.2 No. 14-05 IEC/EN 60947 IEC/EN 60947-5 UL Category Control No.: NKCR UL File No.: E29184 VDE 0660 CE CSA File No.: 012528 UL CSA-C22.2 No. 94-91 DNV GL LR



Powering Business Worldwide

Actuator

ACTUATING FORCE	5 N
ACTUATOR COLOR	Red
ACTUATOR FUNCTION	Spring-return Momentary
BEZEL COLOR	Titanium
BEZEL MATERIAL	Plastic
DESIGN	Flat Classical
FITTED WITH:	Front ring
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 STORAGE TEMPERATURE - MAX	80 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT STORAGE TEMPERATURE - MIN	40 °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	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	IP66
	IP67
	IP69K
	NEMA 13
	NEMA 4X
	NEMA 3R
DEGREE OF PROTECTION (FRONT SIDE)	NEMA 12
	IP67/IP69K
LIFESPAN, MECHANICAL	NEMA 4X
LIFESPAN, MECHANICAL	5,000,000 Operations
MOUNTING POSITION	As required
OPENING DIAMETER	22.5 mm
OPERATING FREQUENCY	3600 Operations/h
PRODUCT CATEGORY	RMQ-Titan
SIZE	Front dimensions: 22 x 22 mm
TYPE	Pushbutton actuator

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-double-actuator-pushbutton-declaration-of-conformity-eu251536en.pdf
DRAWINGS	eaton-operating-actuation-m22-dimensions-002.eps
	eaton-operating-pushbutton-m22-dimensions-004.eps
	eaton-operating-pushbutton-m22-dimensions-003.eps
	eaton-operating-samrtwire-m22-3d-drawing.eps
	eaton-general-m22-symbol.eps
	eaton-general-approval-m22-symbol.eps
	eaton-operating-button-symbol-006.eps
	eaton-general-m22-standards.eps
	ETN.216594.edz
	IL04716002Z
INSTALLATION INSTRUCTIONS	eaton-operating-devices-rmq-titan-m22-instruction-leaflet-il047018zu.pdf
MCAD MODEL	DA-CS-drucktaste_flach
	eaton-pushbuttons-mcad-drawings-drucktaste-flach.dwg

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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

© 2026 Eaton. All Rights Reserved.

Follow us on social media to get the latest product and support information.

