

Specifications



Eaton 216607

Eaton Moeller® series M22 Pushbutton, RMQ-Titan, Flat, momentary, green, inscribed, Bezel: titanium

General specifications

PRODUCT NAME	Eaton Moeller® series M22 Pushbutton
CATALOG NUMBER	216607
EAN	4015082166076
MODEL CODE	M22-D-G-X1
PRODUCT LENGTH/DEPTH	30 mm
PRODUCT HEIGHT	30 mm
PRODUCT WIDTH	30 mm
PRODUCT WEIGHT	0.009 kg
COMPLIANCES	CE Marked
CERTIFICATIONS	CSA Std. C22.2 No. 14-05 UL 508 CSA Std. C22.2 No. 94-91 EN 60947-5 IEC 60947-5 VDE UL CSA-C22.2 No. 14-05 IEC/EN 60947 CSA CSA Class No.: 3211-03 CSA-C22.2 No. 94-91 VDE 0660 CE UL Category Control No.: NKCR CSA File No.: 012528 IEC/EN 60947-5 UL File No.: E29184 DNV GL LR



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Features & Functions

BEZEL COLOR	Titanium
BEZEL MATERIAL	Plastic
DESIGN	Flat Classical
FEATURES	Labelled
FITTED WITH:	Front ring
INSCRIPTION	Inscribed

Ambient conditions, mechanical

MOUNTING POSITION	As required
SHOCK RESISTANCE	Mechanical, According to IEC/EN 60068-2-27 30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms

Communication

CONNECTION TO SMARTWIRE-DT	Yes With SWD-RMQ connections
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Contacts

FORCE FOR POSITIVE OPENING - MIN	0 N
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General

DEGREE OF PROTECTION	IP66 NEMA 12 NEMA 4X NEMA 13 IP67 NEMA 3R IP69K
DEGREE OF PROTECTION (FRONT SIDE)	NEMA 4X IP67/IP69K
LIFESPAN, MECHANICAL	5,000,000 Operations
OPENING DIAMETER	22.5 mm
OPERATING FREQUENCY	3600 Operations/h
PRODUCT CATEGORY	RMQ-Titan
SIZE	Front dimensions: 22 x 22 mm
TYPE	Pushbutton actuator

Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT STORAGE TEMPERATURE - MIN	40 °C
AMBIENT STORAGE TEMPERATURE - MAX	80 °C
CLIMATIC PROOFING	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78

Actuator

ACTUATING FORCE	5 N
ACTUATOR COLOR	Green
ACTUATOR FUNCTION	Momentary Spring-return

Design verification

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	0 A

CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
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.
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.

Resources

CATALOGS	eaton-rmq-titan-brochure-br047004en-en-us.pdf
	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
	Flip catalog - Product Range Catalog - Command and indication
CERTIFICATION REPORTS	0000SPC-179 0000SPC-183
DECLARATIONS OF CONFORMITY	DA-DC-00004157.pdf
	DA-DC-00004135.pdf
DRAWINGS	eaton-operating-actuation-m22-dimensions-002.eps
	116X102 116X214
	eaton-operating-pushbutton-m22-dimensions-004.eps
	eaton-operating-pushbutton-m22-dimensions-003.eps
	116X103 116I256
	eaton-general-approval-m22-symbol.eps
	116C087 0000SPC-180
	eaton-general-m22-symbol.eps
	eaton-general-m22-standards.eps
eaton-operating-samrtwire-m22-3d-drawing.eps	
ECAD MODEL	ETN.216607.edz
	ETN.M22-D-G-X1
INSTALLATION INSTRUCTIONS	IL04716002Z
INSTALLATION VIDEOS	RMQ Flat Design
MCAD MODEL	eaton-cadenas-path-temp-drucktaste flach.3db
	eaton-cadenas-side view-drucktaste flach side.pra

	DA-CS-drucktaste flach eaton-cadenas-front_view-drucktaste flach front.pra DA-CD-drucktaste flach
MULTIMEDIA	MCI Multicolor Light Indicator M22 with SmartWire-DT MCI MultiColor Light Indicator RMO compact solution RMO small E-Stop emergency-stop button easyE4 SmartWire-DT module with Remote Touch Display and RMO multi color indicator
	eaton-control_circuit-devices_rm-q-titan-fl144090en-en-us.pdf eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf eaton-rmq-small-e-stop-flyer-fl047006en-en-us.pdf eaton-rmq-flat-enclosure-flyer-fl047003en-en-us.pdf
	SALES NOTES
SYSTEM OVERVIEW	Pilot devices - selection aid

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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