

Specifications



Photo is representative



Eaton 216964

Eaton Moeller® series M22 Illuminated pushbutton actuator, RMQ-Titan, Flush, maintained, White, inscribed 1, Bezel: black

General specifications

PRODUCT NAME	Eaton Moeller® series M22 Illuminated pushbutton actuator
CATALOG NUMBER	216964
MODEL CODE	M22S-DRL-W-X1
EAN	4015082169640
PRODUCT LENGTH/DEPTH	30 mm
PRODUCT HEIGHT	30 mm
PRODUCT WIDTH	30 mm
PRODUCT WEIGHT	0.012 kg
CERTIFICATIONS	CSA Class No.: 3211-03 VDE 0660 CSA-C22.2 No. 94-91 UL Category Control No.: NKCR IEC/EN 60947 CSA CE IEC/EN 60947-5 UL 508 CSA File No.: 012528 CSA-C22.2 No. 14-05 UL UL File No.: E29184 DNV GL LR
GLOBAL CATALOG	216964

Product specifications

TYPE	Illuminated pushbutton actuator
ACTUATOR COLOR	White
FEATURES	Labelled
ACTUATOR FUNCTION	Switching function latching Maintained
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.

Resources

CATALOGS

[eaton-rmq-titan-brochure-br047004en-en-us.pdf](#)

[Flip catalog - Product Range Catalog - Command and indication](#)

[eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf](#)

DECLARATIONS OF CONFORMITY

[eaton-pushbutton-declaration-of-conformity-eu250858en.pdf](#)

[DA-DC-00004135.pdf](#)

[DA-DC-00004157.pdf](#)

[eaton-pushbutton-declaration-of-conformity-eu250857en.pdf](#)

[eaton-operating-pushbutton-m22-dimensions-004.eps](#)

[eaton-operating-actuation-m22-dimensions-002.eps](#)

[116C090](#)

DRAWINGS

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

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

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

[eaton-operating-samrtwire-m22-3d-drawing.eps](#)

ECAD MODEL

[ETN.216964.edz](#)

FLYERS

[eaton-rmq-titan-selection-aid-brochure-fl047002-en-us.pdf](#)

INSTALLATION INSTRUCTIONS

[IL04716002Z](#)

INSTALLATION VIDEOS

[RMQ Flat Design](#)

MCAD MODEL

[DA-CD-drucktaste_flach](#)

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.
FITTED WITH:	Front ring
OPERATING FREQUENCY	1800 Operations/h
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
CONNECTION TO SMARTWIRE-DT	With SWD-RMQ connections Yes
ACTUATING FORCE	5 N
AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
FORCE FOR POSITIVE OPENING - MIN	0 N
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W

	DA-CS-drucktaste flach
	easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator
	MCI Multicolor Light Indicator M22 with SmartWire-DT
	MCI MultiColor Light Indicator RMQ compact solution
	RMQ small E-Stop emergency-stop button
MULTIMEDIA	
	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
	eaton-control circuit-devices rmq-titan-fl144090en-en-us.pdf
SALES NOTES	

NUMBER OF COMMAND POSITIONS	1
OPENING DIAMETER	22.5 mm
OPENING HEIGHT	0 mm
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A
BEZEL COLOR	Black
SHOCK RESISTANCE	Mechanical, According to IEC/EN 60068-2-27 30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms
BEZEL MATERIAL	Plastic
DESIGN	Flush Classical
MOUNTING POSITION	As required
DEGREE OF PROTECTION	NEMA 3R IP69K NEMA 4X IP66 NEMA 12 NEMA 13 IP67
DEGREE OF PROTECTION (FRONT SIDE)	NEMA 4X IP67/IP69K
INSCRIPTION	Inscribed
FRONT ELEMENT TYPE	Flat
FUNCTIONS	Stay-put/spring-return function can be changed on device
LENS TYPE	Round
LIFESPAN, MECHANICAL	1,000,000 Operations (AC operated)
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
WIDTH OPENING	0 mm
PRODUCT CATEGORY	RMQ-Titan
SIZE	Front diameter: 29.7 mm
SUITABLE FOR	Illumination

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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