

# Specifications



Photo is representative

## Eaton 216712

Eaton Moeller® series M22 Mushroom actuator, RMQ-Titan, Mushroom, momentary, Mushroom black, black, Blank, Bezel: titanium

### General specifications

<b>PRODUCT NAME</b>	Eaton Moeller® series M22 Mushroom actuator
<b>CATALOG NUMBER</b>	216712
<b>MODEL CODE</b>	M22-DP-S
<b>EAN</b>	4015082167127
<b>PRODUCT LENGTH/DEPTH</b>	37 mm
<b>PRODUCT HEIGHT</b>	43 mm
<b>PRODUCT WIDTH</b>	37 mm
<b>PRODUCT WEIGHT</b>	0.016 kg
<b>COMPLIANCES</b>	CE Marked
<b>CERTIFICATIONS</b>	IEC 60947-5 EN 60947-5 UL 508 CSA Std. C22.2 No. 94-91 CSA Std. C22.2 No. 14-05 VDE CSA-C22.2 No. 94-91 IEC/EN 60947 CSA CSA Class No.: 3211-03 CSA File No.: 012528 UL VDE 0660 CE IEC/EN 60947-5 UL Category Control No.: NKCR CSA-C22.2 No. 14-05 UL File No.: E29184 DNV GL LR
<b>GLOBAL CATALOG</b>	216712



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## Product specifications

<b>TYPE</b>	Mushroom-headed pushbutton
<b>ACTUATOR COLOR</b>	Black
<b>ACTUATOR FUNCTION</b>	Spring-return Momentary
<b>10.10 TEMPERATURE RISE</b>	Not applicable.
<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
<b>10.13 MECHANICAL FUNCTION</b>	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Please enquire
<b>10.2.5 LIFTING</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.6 MECHANICAL IMPACT</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	Does not apply, since the entire switchgear needs to be evaluated.

## Resources

<b>CATALOGS</b>	<a href="#">eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf</a>  <a href="#">Flip catalog - Product Range Catalog - Command and indication</a>  <a href="#">eaton-rmq-titan-brochure-br047004en-en-us.pdf</a>
<b>DECLARATIONS OF CONFORMITY</b>	<a href="#">eaton-pushbutton-declaration-of-conformity-eu250857en.pdf</a>  <a href="#">eaton-pushbutton-declaration-of-conformity-eu250858en.pdf</a>  <a href="#">eaton-operating-m22-mushroom-actuator-dimensions-002.eps</a>  <a href="#">eaton-operating-m22-mushroom-actuator-dimensions.eps</a>  <a href="#">eaton-operating-button-symbol-005.eps</a>  <a href="#">eaton-general-m22-symbol.eps</a>  <a href="#">eaton-general-m22-standards.eps</a>  <a href="#">eaton-general-approval-m22-symbol.eps</a>
<b>ECAD MODEL</b>	<a href="#">ETN.216712.edz</a>
<b>FLYERS</b>	<a href="#">eaton-rmq-titan-selection-aid-brochure-fl047002-en-us.pdf</a>
<b>INSTALLATION INSTRUCTIONS</b>	<a href="#">IL04716002Z</a>
<b>INSTALLATION VIDEOS</b>	<a href="#">RMQ Flat Design</a>
<b>MCAD MODEL</b>	<a href="#">DA-CS-pilzdrucktaste</a>  <a href="#">DA-CD-pilzdrucktaste</a>
<b>MULTIMEDIA</b>	<a href="#">MCI MultiColor Light Indicator RMQ compact solution</a>

<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Meets the product standard's requirements.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Is the panel builder's responsibility.
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Is the panel builder's responsibility.
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Is the panel builder's responsibility.
<b>FITTED WITH:</b>	Front ring
<b>OPERATING FREQUENCY</b>	3600 Operations/h
<b>BUTTON COLOR</b>	Black
<b>CLIMATIC PROOFING</b>	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
<b>CONNECTION TO SMARTWIRE-DT</b>	With SWD-RMQ connections Yes
<b>ACTUATING FORCE</b>	5 N
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	70 °C
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
<b>AMBIENT STORAGE TEMPERATURE - MAX</b>	80 °C
<b>AMBIENT STORAGE TEMPERATURE - MIN</b>	40 °C
<b>DIAMETER CAP</b>	36.5 mm
<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>	0 W
<b>FORCE FOR POSITIVE OPENING - MIN</b>	0 N
<b>HEAT DISSIPATION CAPACITY PDISS</b>	0 W

<b>SALES NOTES</b>	<a href="#">MCI Multicolor Light Indicator M22 with SmartWire-DT</a>
	<a href="#">easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator</a>
	<a href="#">RMQ small E-Stop emergency-stop button</a>
	<a href="#">eaton-rmq-flat-enclosure-flyer-fl047003en-en-us.pdf</a>
	<a href="#">eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf</a>
	<a href="#">eaton-rmq-small-e-stop-flyer-fl047006en-en-us.pdf</a>
	<a href="#">eaton-control circuit-devices rmq-titan-fl144090en-en-us.pdf</a>

HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
OPENING DIAMETER	22.5 mm
OPENING HEIGHT	0 mm
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A
BEZEL COLOR	Titanium
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	Mushroom-shaped Classical
MOUNTING POSITION	As required
DEGREE OF PROTECTION	IP67/IP69K NEMA 4X, 13
INSCRIPTION	Blank
FRONT ELEMENT TYPE	Flat
LENS TYPE	Round
LIFESPAN, MECHANICAL	5,000,000 Operations
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
WIDTH OPENING	0 mm
PRODUCT CATEGORY	RMQ-Titan
SIZE	Front dimensions: 22 x 22 mm
SUPPLY VOLTAGE LAMP	0 V
UNLOCKING METHOD	None

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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