

# Specifications



## Eaton 216529

Eaton Moeller® series M22 Housing, Pushbutton actuators, Enclosure, momentary, 2 NC, 2 N/O, Screw connection, Number of locations 2, Grey, inscribed, Bezel: titanium

### General specifications

<b>PRODUCT NAME</b>	Eaton Moeller® series M22 Housing
<b>CATALOG NUMBER</b>	216529
<b>MODEL CODE</b>	M22-I2-M1
<b>EAN</b>	4015082165291
<b>PRODUCT LENGTH/DEPTH</b>	80 mm
<b>PRODUCT HEIGHT</b>	70 mm
<b>PRODUCT WIDTH</b>	120 mm
<b>PRODUCT WEIGHT</b>	0.255 kg
<b>COMPLIANCES</b>	CE Marked
<b>CERTIFICATIONS</b>	IEC 60947-5 UL 508 EN 60947-5 CSA Std. C22.2 No. 94-91 CSA Std. C22.2 No. 14-05 VDE IEC/EN 60947-5 VDE 0660 CE CSA-C22.2 No. 14-05 CSA-C22.2 No. 94-91 CSA CSA Class No.: 3211-03 UL Category Control No.: NKCR UL File No.: E29184 CSA File No.: 012528 IEC/EN 60947 UL
<b>CATALOG NOTES</b>	Contacts with safety function, by positive opening to IEC/EN 60947-5-1



## Product specifications

<b>TYPE</b>	Pushbutton actuator
<b>ACTUATOR COLOR</b>	Green, red
<b>ACTUATOR FUNCTION</b>	Momentary
<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
<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.

## 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

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

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

[eaton-operating-surface-mounting-m22-accessory-dimensions-004.eps](#)

[eaton-operating-button-symbol-007.eps](#)

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

### DRAWINGS

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

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

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

[eaton-operating-button-m22-housing-symbol.eps](#)

### ECAD MODEL

[ETN.M22-I2-M1](#)

### FLYERS

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

### INSTALLATION INSTRUCTIONS

[IL04716002Z](#)

### INSTALLATION VIDEOS

[RMQ Flat Design](#)

### MCAD MODEL

[bg\\_d\\_d\\_aufbaug](#)

[bg\\_d\\_d\\_aufbaug.stp](#)

### MULTIMEDIA

[MCI Multicolor Light Indicator M22 with SmartWire-DT](#)

[RMQ small E-Stop emergency-stop button](#)

<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	Does not apply, since the entire switchgear needs to be evaluated.
<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>OPERATING FREQUENCY</b>	3600 Operations/h
<b>CLIMATIC PROOFING</b>	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
<b>CONNECTION TO SMARTWIRE-DT</b>	No
<b>ENCLOSURE MATERIAL</b>	Plastic
<b>ACTUATING FORCE</b>	5 N
<b>ACTUATOR TRAVEL AND ACTUATION FORCE (DIN EN 60947-5-1)</b>	4.8 mm
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	70 °C
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>	0 W
<b>FORCE FOR POSITIVE OPENING - MIN</b>	15 N
<b>HEAT DISSIPATION CAPACITY PDISS</b>	0 W
<b>HEAT DISSIPATION PER</b>	0.11 W

	<a href="#">MCI MultiColor Light Indicator RMQ compact solution</a>
	<a href="#">easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator</a>
<b>SALES NOTES</b>	<a href="#">eaton-control circuit-devices rmq-titan-fl144090en-en-us.pdf</a> <a href="#">eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf</a> <a href="#">eaton-rmq-flat-enclosure-flyer-fl047003en-en-us.pdf</a> <a href="#">eaton-rmq-small-e-stop-flyer-fl047006en-en-us.pdf</a>
<b>SPECIFICATIONS AND DATASHEETS</b>	<a href="#">Eaton Specification Sheet - 216529</a>
<b>WIRING DIAGRAMS</b>	<a href="#">eaton-operating-pushbutton-m22-housing-wiring-diagram.eps</a>

<b>POLE, CURRENT-DEPENDENT PVID</b>	
<b>KNOB TRAVEL</b>	5.7 mm
<b>NUMBER OF BUTTONS (MUSHROOM SHAPE)</b>	0
<b>NUMBER OF COMMAND POSITIONS</b>	2
<b>NUMBER OF CONTACTS (CHANGE-OVER CONTACTS)</b>	0
<b>NUMBER OF CONTACTS (NORMALLY CLOSED CONTACTS)</b>	2
<b>NUMBER OF CONTACTS (NORMALLY OPEN CONTACTS)</b>	2
<b>NUMBER OF KEY SWITCHES</b>	0
<b>NUMBER OF LOCATIONS</b>	2
<b>NUMBER OF PILOT LIGHTS</b>	0
<b>NUMBER OF PUSHBUTTONS</b>	2
<b>ENCLOSURE COLOR</b>	Gray
<b>BEZEL COLOR</b>	Titanium
<b>NUMBER OF SWITCHES (SELECTOR)</b>	0
<b>RAL-NUMBER</b>	7035
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MAX</b>	500 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 50 HZ - MIN</b>	115 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MAX</b>	500 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT AC, 60 HZ - MIN</b>	115 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MAX</b>	220 V
<b>RATED CONTROL SUPPLY VOLTAGE (US) AT DC - MIN</b>	24 V
<b>RATED OPERATIONAL CURRENT FOR SPECIFIED</b>	6 A

HEAT DISSIPATION (IN)	
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
PRODUCT CATEGORY	RMQ-Titan
SIZE	Front dimensions: 120 x 80 mm
COLOR	Light gray
DESIGN	Enclosure
MOUNTING POSITION	As required
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	1 kA
CONNECTION TYPE	Screw connection
DEGREE OF PROTECTION	IP67/IP69K NEMA 4X, 13
INSCRIPTION	Inscribed
KNOCKOUTS	1 x M20 (cable entry knockout at the side) 2 x M25/20 (cable entry knockouts at the side) 2 x M20 (cable entry knockouts at the base)
LIFESPAN	5,000,000 mechanical Operations
SHOCK RESISTANCE	Mechanical, According to IEC/EN 60068-2-27 30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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