

# Specifications



Photo is representative



## Eaton 216829

Eaton Moeller® series M22 Illuminated selector switch actuator, RMQ-Titan, With thumb-grip, maintained, 2 positions, yellow, Bezel: titanium

### General specifications

<b>PRODUCT NAME</b>	Eaton Moeller® series M22 Illuminated selector switch actuator
<b>CATALOG NUMBER</b>	216829
<b>EAN</b>	4015082168292
<b>PRODUCT LENGTH/DEPTH</b>	46 mm
<b>PRODUCT HEIGHT</b>	30 mm
<b>PRODUCT WIDTH</b>	30 mm
<b>PRODUCT WEIGHT</b>	0.013 kg
<b>COMPLIANCES</b>	CE Marked UL 508 CSA Std. C22.2 No. 14-05 EN 60947-5 IEC 60947-5 CSA Std. C22.2 No. 94-91 VDE UL File No.: E29184 CSA Class No.: 3211-03 CSA-C22.2 No. 94-91 IEC/EN 60947 VDE 0660 CSA-C22.2 No. 14-05 IEC/EN 60947-5 UL Category Control No.: NKCR CE CSA CSA File No.: 012528 UL DNV GL LR
<b>CERTIFICATIONS</b>	
<b>MODEL CODE</b>	M22-WRLK-Y

## Features & Functions

<b>BEZEL COLOR</b>	Titanium
<b>BEZEL MATERIAL</b>	Plastic
<b>COLOR</b>	Yellow
<b>DESIGN</b>	With thumb-grip Classical
<b>FITTED WITH:</b>	Front ring
<b>FUNCTIONS</b>	Stay-put/spring-return function, can be changed with coding parts M22-XC- Y

## Ambient conditions, mechanical

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

## Communication

<b>CONNECTION TO SMARTWIRE-DT</b>	With SWD-RMQ connections Yes
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## Contacts

<b>FORCE FOR POSITIVE OPENING - MIN</b>	0 N
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## General

<b>ACCESSORIES</b>	Thumb grip
<b>DEGREE OF PROTECTION</b>	NEMA 4X, 13
<b>DEGREE OF PROTECTION (FRONT SIDE)</b>	IP66
<b>LIFESPAN, MECHANICAL</b>	100,000 Operations
<b>OPENING DIAMETER</b>	22.5 mm
<b>OPERATING FREQUENCY</b>	2000 Operations/h
<b>OPERATING TORQUE</b>	0.3 Nm
<b>OVERVOLTAGE CATEGORY</b>	III
<b>POLLUTION DEGREE</b>	3
<b>PRODUCT CATEGORY</b>	RMQ-Titan
<b>SIZE</b>	Front diameter: 29.7 mm
<b>SUITABLE FOR</b>	Illumination
<b>SWITCHING ANGLE</b>	60 °
<b>TYPE</b>	Illuminated selector switch actuator

## Climatic environmental conditions

<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	70 °C
<b>CLIMATIC PROOFING</b>	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30

## Actuator

<b>ACTUATOR COLOR</b>	Black
<b>ACTUATOR FUNCTION</b>	Switching function latching Maintained
<b>ACTUATOR TYPE</b>	Toggle
<b>NUMBER OF SWITCH POSITIONS</b>	2

## Design verification

<b>EQUIPMENT HEAT DISSIPATION, CURRENT- DEPENDENT PVID</b>	0 W
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<b>HEAT DISSIPATION CAPACITY PDISS</b>	0 W
<b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>	0 W
<b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>	0 A
<b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>	0 W
<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.
<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</b>	Is the panel builder's responsibility.

<b>AND CONNECTIONS</b>	
<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>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.

## Resources

### CATALOGUES

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

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

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

### DECLARATIONS OF CONFORMITY

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

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

### DRAWINGS

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

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

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

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

[eaton-operating-button-symbol-008.eps](#)

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

### ECAD MODEL

[ETN.216829.edz](#)

### FLYERS

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

### INSTALLATION INSTRUCTIONS

[IL04716002Z](#)

### INSTALLATION VIDEOS

[RMQ Flat Design](#)

### MCAD MODEL

[DA-CD-wahltaste\\_knebel](#)

[DA-CS-wahltaste\\_knebel](#)

### MULTIMEDIA

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

[easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator](#)

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

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[MCI MultiColor Light  
Indicator RMQ compact  
solution](#)

**SALES NOTES**

[eaton-rmq-mci-multi-  
color-light-indicator-flyer-  
fl047005en-en-us.pdf](#)

[eaton-rmq-flat-enclosure-  
flyer-fl047003en-en-us.pdf](#)

[eaton-control circuit-  
devices rmq-titan-  
fl144090en-en-us.pdf](#)

[eaton-rmq-small-e-stop-  
flyer-fl047006en-en-us.pdf](#)

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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**

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