

Specifications



Photo is representative



Eaton 111784

Eaton Moeller® series M22 Key-operated actuator, maintained, 2 positions, MS4, Key withdrawable: 0, Bezel: titanium

General specifications

PRODUCT NAME	Eaton Moeller® series M22 Key-operated actuator
CATALOG NUMBER	111784
EAN	4015081113347
PRODUCT LENGTH/DEPTH	70 mm
PRODUCT HEIGHT	30 mm
PRODUCT WIDTH	30 mm
PRODUCT WEIGHT	0.034 kg
CERTIFICATIONS	UL Category Control No.: NKCR CSA-C22.2 No. 94-91 IEC/EN 60947 CSA UL CSA File No.: 012528 CSA Class No.: 3211-03 CSA-C22.2 No. 14-05 IEC/EN 60947-5 UL 508 UL File No.: E29184 CE VDE 0660 DNV GL LR
MODEL CODE	M22-WRS-MS4-A1



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Features & Functions

BEZEL COLOR	Titanium
BEZEL MATERIAL	Plastic
DESIGN	Key operated Classical
FITTED WITH:	Front ring
FUNCTIONS	Stay-put/spring-return function, can be changed with coding parts M22-XC- Y
KEY CODE	MS4

Ambient conditions, mechanical

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

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 information

ACCESSORIES	1 key included with supplied equipment.
DEGREE OF PROTECTION	NEMA 4X, 13
DEGREE OF PROTECTION (FRONT SIDE)	IP66
LIFESPAN, MECHANICAL	100,000 Operations
OPENING DIAMETER	22.5 mm
OPERATING FREQUENCY	100 Operations/h
OPERATING TORQUE	0.5 Nm
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	3
PRODUCT CATEGORY	RMQ-Titan
PRODUCT CATEGORY	RMQ-Titan
SIZE	Front diameter: 29.7 mm
SWITCHING ANGLE	60 °
TYPE	Key-operated button

Climatic environmental conditions

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

Actuator

ACTUATOR COLOR	Black
ACTUATOR FUNCTION	Maintained Key withdrawable in position 0 Switching function latching
ACTUATOR TYPE	Key
NUMBER OF SWITCH POSITIONS	2

Design verification

EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION	0 W

CAPACITY PDISS	
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A
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

CATALOGUES	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
DECLARATIONS OF CONFORMITY	eaton-pushbutton-declaration-of-conformity-eu250858en.pdf
	eaton-key-operated-actuator-declaration-of-conformity-uk251348en.pdf
	eaton-key-operated-actuator-declaration-of-conformity-eu250865en.pdf
	eaton-pushbutton-declaration-of-conformity-uk251341en.pdf
DRAWINGS	eaton-operating-key-operated-actuator-dimensions-005.eps
	eaton-general-m22-symbol.eps
	eaton-general-m22-standards.eps
ECAD MODEL	eaton-general-approval-m22-symbol.eps
FLYERS	ETN.111784.edz
INSTALLATION INSTRUCTIONS	eaton-rmq-titan-selection-aid-brochure-fl047002-en-us.pdf
INSTALLATION VIDEOS	IL04716002Z
MCAD MODEL	RMQ Flat Design
MULTIMEDIA	DA-CD-schluesseltaste.ms
	DA-CS-schluesseltaste.ms
	MCI MultiColor Light Indicator RMQ compact solution
	RMQ small E-Stop emergency-stop button

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

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

SALES NOTES

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

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

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

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

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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