

# Specifications



Photo is representative



## Eaton 188154

Eaton Moeller® series M30 Key-operated actuator, Flat Front, maintained, 2 positions, MS10, Key withdrawable: 0, Bezel: stainless steel

### General specifications

<b>PRODUCT NAME</b>	Eaton Moeller® series M30 Key-operated actuator
<b>CATALOG NUMBER</b>	188154
<b>MODEL CODE</b>	M30I-FWRS-MS10-A1
<b>EAN</b>	4015081858231
<b>PRODUCT LENGTH/DEPTH</b>	36 mm
<b>PRODUCT HEIGHT</b>	67 mm
<b>PRODUCT WIDTH</b>	46 mm
<b>PRODUCT WEIGHT</b>	0.06 kg
<b>CERTIFICATIONS</b>	IEC/EN 60947 VDE 0660
<b>GLOBAL CATALOG</b>	188154

## Product specifications

<b>TYPE</b>	Key-operated button
<b>ACCESSORIES</b>	1 key included with supplied equipment.
<b>ACTUATOR COLOR</b>	Black
<b>ACTUATOR FUNCTION</b>	<p>Key withdrawable in position 0</p> <p>Switching function latching</p> <p>Maintained</p>
<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

## Resources

<b>CATALOGS</b>	<a href="#">eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf</a>
	<a href="#">eaton-rmq-titan-brochure-br047004en-en-us.pdf</a>
	<a href="#">Flip catalog - Product Range Catalog - Command and indication</a>
<b>DECLARATIONS OF CONFORMITY</b>	<a href="#">eaton-key-operated-actuator-declaration-of-conformity-eu250864en.pdf</a>
	<a href="#">eaton-key-operated-actuator-declaration-of-conformity-eu250863en.pdf</a>
	<a href="#">eaton-operating-m30-key-operated-actuator-dimensions-002.eps</a>
	<a href="#">eaton-operating-m30-dimensions-004.eps</a>
	<a href="#">eaton-operating-m30-dimensions-006.eps</a>
	<a href="#">eaton-operating-m30-dimensions-005.eps</a>
<b>DRAWINGS</b>	<a href="#">eaton-operating-m30-key-operated-actuator-3d-drawing.eps</a>
	<a href="#">eaton-general-m22-symbol.eps</a>
	<a href="#">eaton-general-approval-m22-symbol.eps</a>
<b>ECAD MODEL</b>	<a href="#">ETN.188154.edz</a>
<b>FLYERS</b>	<a href="#">eaton-rmq-titan-selection-aid-brochure-fl047002-en-us.pdf</a>
<b>INSTALLATION INSTRUCTIONS</b>	<a href="#">eaton-operating-devices-m30-rmq-titan-flat-front-instruction-leaflet-il047019zu.pdf</a>
<b>INSTALLATION VIDEOS</b>	<a href="#">RMQ Flat Design</a>
<b>MCAD MODEL</b>	<a href="#">DA-CD-schluesseltaste_ms_flatfront</a> <a href="#">DA-CS-schluesseltaste_ms_flatfront</a>

	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 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>	100 Operations/h
<b>POLLUTION DEGREE</b>	3
<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>	With SWD-RMQ connections Yes
<b>ACTUATOR TYPE</b>	Key
<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>	0 N
<b>HEAT DISSIPATION CAPACITY PDISS</b>	0 W
<b>HEAT DISSIPATION PER</b>	0 W

<b>MULTIMEDIA</b>	<a href="#">MCI Multicolor Light Indicator M22 with SmartWire-DT</a> <a href="#">RMQ small E-Stop emergency-stop button</a> <a href="#">easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator</a> <a href="#">MCI MultiColor Light Indicator RMQ compact solution</a>
<b>SALES NOTES</b>	<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> <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>

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**POLE, CURRENT-  
DEPENDENT PVID**

<b>OPENING DIAMETER</b>	30 mm
<b>OPENING HEIGHT</b>	0 mm
<b>OPERATING TORQUE</b>	0.5 Nm
<b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>	0 A
<b>STATIC HEAT DISSIPATION, NON- CURRENT-DEPENDENT PVS</b>	0 W
<b>SWITCHING ANGLE</b>	60 °
<b>WIDTH OPENING</b>	0 mm
<b>BEZEL COLOR</b>	Stainless steel
<b>SHOCK RESISTANCE</b>	15 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27
<b>KEY CODE</b>	MS10
<b>BEZEL MATERIAL</b>	Metal
<b>DESIGN</b>	Key operation lock mechanism
<b>MOUNTING POSITION</b>	As required
<b>OVERVOLTAGE CATEGORY</b>	III
<b>DEGREE OF PROTECTION</b>	NEMA 4X, 13
<b>DEGREE OF PROTECTION (FRONT SIDE)</b>	IP66
<b>FUNCTIONS</b>	Stay-put/spring-return function, can be changed with coding parts M22-XC- Y
<b>INDICATOR COLOR</b>	Other
<b>LENS TYPE</b>	Round
<b>LIFESPAN, MECHANICAL</b>	100,000 Operations
<b>NUMBER OF SWITCH POSITIONS</b>	2
<b>SIZE</b>	Front dimensions: Ø 36 mm
<b>PRODUCT CATEGORY</b>	RMQ-Titan

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**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**

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**Eaton Corporation plc**

Eaton House  
30 Pembroke Road  
Dublin 4, Ireland  
Eaton.com

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