

Specifications



Photo is representative



Eaton 187099

Eaton Moeller® series M30 Key-operated actuator, Flat Front, maintained, 3 positions, Ronis 455, Key withdrawable: 0, Metal bezel

General specifications

PRODUCT NAME	Eaton Moeller® series M30 key-operated actuator
CATALOG NUMBER	187099
MODEL CODE	M30C-FWRS3-RS-A1
EAN	4015081821532
PRODUCT LENGTH/DEPTH	36 mm
PRODUCT HEIGHT	67 mm
PRODUCT WIDTH	46 mm
PRODUCT WEIGHT	0.06 kg
CERTIFICATIONS	VDE 0660 IEC/EN 60947 CSA file No. 012528 CSA Class No.: 3211-03 DNV UL File No.: E29184 GL IEC/EN 60947-5 UL 508 CSA-C22.2 No. 14-05 CSA-C22.2 No. 94-91 CE marking UL Category Control No.: NKCR UL Listed CSA certified

Actuator

ACTUATOR COLOR	Black
ACTUATOR FUNCTION	Switching function latching Maintained Key withdrawable in position 0
ACTUATOR TYPE	Key
BEZEL COLOR	Titanium
BEZEL MATERIAL	Metal
DESIGN	Key operation lock mechanism Flat front
FITTED WITH:	Front ring Plunger bridge for the middle contact
FUNCTIONS	Stay-put/spring-return function, can be changed with coding parts M22-XC-Y
INDICATOR COLOR	Other
KEY CODE	Ronis 455
LENS TYPE	Round
NUMBER OF SWITCH POSITIONS	3

Communication

CONNECTION TO SMARTWIRE-DT	With SWD-RMQ connections Yes
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Climatic environmental conditions

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

Design verification

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.
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	Meets the product

RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	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.
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
RATED OPERATIONAL	0 A

General information

ACCESSORIES	2 keys included with supplied equipment.
DEGREE OF PROTECTION	NEMA 4X, 13
DEGREE OF PROTECTION (FRONT SIDE)	IP64
LIFESPAN, MECHANICAL	100,000 Operations
MOUNTING POSITION	As required
OPENING DIAMETER	30 mm
OPERATING FREQUENCY	100 Operations/h
OPERATING TORQUE	0.5 Nm
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	3
PRODUCT CATEGORY	RMQ-Titan
SIZE	Front dimensions: Ø 36 mm
SWITCHING ANGLE	60 °
TYPE	Key-operated button

CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)

STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
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Resources

CATALOGUES	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-illuminated-pushbutton-declaration-of-conformity-eu251546en.pdf
	eaton-operating-m30-key-operated-actuator-dimensions-003.eps
	eaton-operating-m30-dimensions-005.eps
	eaton-operating-m30-dimensions-006.eps
DRAWINGS	eaton-operating-m30-dimensions-004.eps
	eaton-general-m22-symbol.eps
	eaton-operating-m30-key-operated-actuator-3d-drawing-003.eps
	eaton-general-approval-m22-symbol.eps
ECAD MODEL	ETN.187099.edz
INSTALLATION INSTRUCTIONS	eaton-operating-devices-m30-rmq-titan-flat-front-instruction-leaflet-il047019zu.pdf
MCAD MODEL	DA-CS-schluesseltaste_rs_flatfront eaton-switches-mcad-drawings-schluesseltaste-rs.dwg

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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