

Specifications



Photo is representative



Eaton 187090

Eaton Moeller® series M30 Selector switch, RMQ-Titan, With rotary head, maintained, 3 positions, inscribed, Metal bezel

General specifications

PRODUCT NAME	Eaton Moeller® series M30 selector switch
CATALOG NUMBER	187090
MODEL CODE	M30C-FWR3
EAN	4015081821471
PRODUCT LENGTH/DEPTH	36 mm
PRODUCT HEIGHT	43 mm
PRODUCT WIDTH	46 mm
PRODUCT WEIGHT	0.042 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	Maintained Switching function latching
ACTUATOR TYPE	Turn button
BEZEL COLOR	Titanium
BEZEL MATERIAL	Metal
DESIGN	With rotary head Flat front
FITTED WITH:	Plunger bridge for the middle contact Front ring
FUNCTIONS	Stay-put/spring-return function, can be changed with coding parts M22-XC- Y
INDICATOR COLOR	Other
INSCRIPTION	Inscribed
LENS TYPE	Round
NUMBER OF SWITCH POSITIONS	3

Communication

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

AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT STORAGE TEMPERATURE - MAX	80 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT STORAGE TEMPERATURE - MIN	40 °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 RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT	Meets the product standard's requirements.
10.2.3.3 RESIST. OF	Meets the product

INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	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 CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A
STATIC HEAT DISSIPATION, NON-	0 W

General information

DEGREE OF PROTECTION	NEMA 4X, 13
DEGREE OF PROTECTION (FRONT SIDE)	IP66
LIFESPAN, MECHANICAL	100,000 Operations
MOUNTING POSITION	As required
OPENING DIAMETER	30 mm
OPERATING FREQUENCY	2000 Operations/h
OPERATING TORQUE	0.3 Nm
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	3
PRODUCT CATEGORY	RMQ-Titan
SIZE	Front dimensions: Ø 36 mm
SWITCHING ANGLE	60 °
TYPE	Selector switch actuator

CURRENT-DEPENDENT PVS

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-dimensions-006.eps](#)

[eaton-operating-m30-dimensions-004.eps](#)

[eaton-operating-m30-changeover-switch-dimensions.eps](#)

[eaton-operating-m30-dimensions-005.eps](#)

DRAWINGS

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

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

[eaton-operating-changeover-switch-3d-drawing-003.eps](#)

[eaton-operating-button-m22-changeover-switch-symbol-004.eps](#)

ECAD MODEL

[ETN.187090.edz](#)

INSTALLATION INSTRUCTIONS

[eaton-operating-devices-m30-rmq-titan-flat-front-instruction-leaflet-il047019zu.pdf](#)

MCAD MODEL

[eaton-switches-mcad-drawings-wahltaste-flatfront.dwg](#)

[DA-CS-wahltaste_flatfront](#)

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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