Specifications



Photo is representative



Eaton 216869

Eaton Moeller® series M22 Selector switch, RMQ-Titan, With thumb-grip, maintained, 2 positions, Bezel: black

General specifications	
PRODUCT NAME	Eaton Moeller® series M22 selector switch
CATALOG NUMBER	216869
MODEL CODE	M22S-WRK
EAN	4015082168698
PRODUCT LENGTH/DEPTH	46 mm
PRODUCT HEIGHT	30 mm
PRODUCT WIDTH	30 mm
PRODUCT WEIGHT	0.013 kg
CERTIFICATIONS	UL 508 VDE 0660 UL Category Control No.: NKCR CE CSA-C22.2 No. 94-91 CSA CSA Class No.: 3211-03 IEC/EN 60947-5 UL CSA File No.: 012528 UL File No.: E29184 CSA-C22.2 No. 14-05 IEC/EN 60947 DNV

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Actuator

ACTUATOR COLOR	Black
ACTUATOR FUNCTION	Switching function latching Maintained
ACTUATOR TYPE	Toggle
BEZEL COLOR	Black
BEZEL MATERIAL	Plastic
DESIGN	With thumb-grip Classical
FITTED WITH:	Front ring
FUNCTIONS	Stay-put/spring-return function, can be changed with coding parts M22-XC-Y
INDICATOR COLOR	Other
LENS TYPE	Round
NUMBER OF SWITCH POSITIONS	2

Communication

CONNECTION TO SMARTWIRE-DT	With SWD-RMQ connections Yes

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 INSUL. MAT. TO ABNORMAL HEAT/FIRE	Meets the product standard's requirements.

BY INTERNAL ELECT. EFFECTS	
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-CURRENT-DEPENDENT PVS	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	22.5 mm
OPERATING FREQUENCY	2000 Operations/h
OPERATING TORQUE	0.3 Nm
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	3
PRODUCT CATEGORY	RMQ-Titan
SIZE	Front diameter: 29.7 mm
SWITCHING ANGLE	60 °
TYPE	Selector switch actuator

Resources

CATALOGUES	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-key-operated-actuator-declaration-of-conformity-eu251544en.pdf
DRAWINGS	eaton-operating-switch-m22-dimensions-002.eps eaton-operating-switch-m22-dimensions.eps eaton-general-m22-standards.eps eaton-general-m22-symbol.eps eaton-general-approval-m22-symbol.eps eaton-operating-switch-m22-changeover-switch-3d-drawing-002.eps
ECAD MODEL	ETN.216869.edz
INSTALLATION INSTRUCTIONS	IL04716002Z
MCAD MODEL	DA-CS-wahltaste_knebel

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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