Specifications

Eaton 216847

Eaton Moeller® series M22 Illuminated selector switch actuator, RMQ-Titan, With thumb-grip, maintained, 3 positions, green, Bezel: titanium

General specifications	
PRODUCT NAME	Eaton Moeller® series M22 illuminated selector switch
CATALOG NUMBER	216847
MODEL CODE	M22-WRLK3-G
EAN	4015082168476
PRODUCT LENGTH/DEPTH	46 mm
PRODUCT HEIGHT	30 mm
PRODUCT WIDTH	30 mm
PRODUCT WEIGHT	0.013 kg
COMPLIANCES	CE Marked
CERTIFICATIONS	CSA Std. C22.2 No. 94-91 IEC 60947-5 UL 508 CSA Std. C22.2 No. 14-05 EN 60947-5 VDE CSA UL UL Category Control No.: NKCR CSA File No.: 012528 VDE 0660 CE UL File No.: E29184 CSA-C22.2 No. 14-05 IEC/EN 60947 CSA Class No.: 3211-03 CSA-C22.2 No. 94-91 IEC/EN 60947-5

Powering Business Worldwide

Actuator

ACTUATOR COLOR	Black
ACTUATOR FUNCTION	Switching function latching Maintained
ACTUATOR TYPE	Toggle
BEZEL COLOR	Titanium
BEZEL MATERIAL	Plastic
DESIGN	With thumb-grip
FITTED WITH:	Front ring
FUNCTIONS	Stay-put/spring-return function, can be changed with coding parts M22-XC-Y
INDICATOR COLOR	Green
LENS TYPE	Round
NUMBER OF SWITCH POSITIONS	3

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

Communication

CONNECTION TO SMARTWIRE-DT	With SWD-RMQ connections Yes

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 BY INTERNAL ELECT.	Meets the product standard's requirements.

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

ACCESSORIES	Thumb grip
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
SUITABLE FOR	Illumination
SWITCHING ANGLE	60 °
TYPE	Illuminated 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.eps eaton-operating-switch-m22-dimensions-002.eps eaton-general-m22-standards.eps eaton-general-m22-symbol.eps eaton-operating-button-symbol-004.eps eaton-general-approval-m22-symbol.eps
ECAD MODEL	ETN.216847.edz
INSTALLATION INSTRUCTIONS	IL047160002Z
MCAD MODEL	DA-CS-wahltaste_knebel

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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