Specifications

Eaton 216848

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

General specifications	
PRODUCT NAME	Eaton Moeller® series M22 illuminated selector switch
CATALOG NUMBER	216848
MODEL CODE	M22S-WRLK3-G
EAN	4015082168483
PRODUCT LENGTH/DEPTH	46 mm
PRODUCT HEIGHT	30 mm
PRODUCT WIDTH	30 mm
PRODUCT WEIGHT	0.013 kg
CERTIFICATIONS	CSA-C22.2 No. 14-05 UL Category Control No.: NKCR UL File No.: E29184 CSA Class No.: 3211-03 UL 508 IEC/EN 60947 IEC/EN 60947-5 VDE 0660 CSA-C22.2 No. 94-91 CSA CSA File No.: 012528 UL CE

Actuator

ACTUATOR COLOR	Black
ACTUATOR FUNCTION	Maintained Switching function latching
ACTUATOR TYPE	Toggle
BEZEL COLOR	Black
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

Communication

CONNECTION TO SMARTWIRE-DT	With SWD-RMQ connections Yes

Climatic environmental conditions

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

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. 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 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
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-002.eps eaton-operating-switch-m22-dimensions.eps eaton-general-approval-m22-symbol.eps eaton-general-m22-symbol.eps eaton-operating-button-symbol-004.eps eaton-general-m22-standards.eps
ECAD MODEL	ETN.216848.edz
INSTALLATION INSTRUCTIONS	IL047160027
MCAD MODEL	DA-CS-wahltaste_knebel

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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