

Specifications



Eaton 216520

Eaton Moeller® series M22 Selector switch, RMQ-Titan, With thumb-grip, maintained, 3 positions, 2 N/O, Bezel: titanium

General specifications

PRODUCT NAME	Eaton Moeller® series M22 selector switch
CATALOG NUMBER	216520
MODEL CODE	M22-WRK3/K20
EAN	4015082165208
PRODUCT LENGTH/DEPTH	130 mm
PRODUCT HEIGHT	30 mm
PRODUCT WIDTH	30 mm
PRODUCT WEIGHT	0.037 kg

CERTIFICATIONS	UL UL File No.: E29184 CSA File No.: 012528 IEC/EN 60947 CSA CSA-C22.2 No. 14-05 CE CSA Class No.: 3211-03 CSA-C22.2 No. 94-91 IEC/EN 60947-5 UL 508 UL Category Control No.: NKCR VDE 0660 DNV GL LR
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Actuator

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

Communication

CONNECTION TO SMARTWIRE-DT	No
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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	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
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	0.11 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	6 A
STATIC HEAT	0 W

DISSIPATION, NON-CURRENT-DEPENDENT PVS

General information

DEGREE OF PROTECTION	IP66 NEMA 12
LIFESPAN, MECHANICAL	100,000 Operations
MOUNTING POSITION	As required
OPENING DIAMETER	22.5 mm
OPERATING FREQUENCY	2000 Operations/h
OPERATING TORQUE	0.3 Nm
PRODUCT CATEGORY	RMQ-Titan
SIZE	Front diameter: 29.7 mm
SWITCHING ANGLE	60 °
TYPE	Selector switch actuator

Resources

CATALOGUES	eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-pushbutton-declaration-of-conformity-uk260006en.pdf eaton-pushbutton-declaration-of-conformity-eu251543en.pdf eaton-operating-switch-m22-changeover-switch-dimensions.eps eaton-operating-actuation-m22-dimensions.eps
DRAWINGS	eaton-operating-m22-changeover-switch-3d-drawing.eps eaton-general-approval-m22-symbol.eps eaton-general-m22-symbol.eps eaton-general-m22-standards.eps
ECAD MODEL	ETN.M22-WRK3_K20
INSTALLATION INSTRUCTIONS	IL04716002Z
MCAD MODEL	eaton-switches-mcad-drawings-bg-wk-200.dwg DA-CS-bg_wk_200
WIRING DIAGRAMS	eaton-operating-diagram-m22-changeover-switch-wiring-diagram.eps

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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