

Specifications



Photo is representative



Eaton 216873

Eaton Moeller® series M22 Selector switch, RMQ-Titan, With thumb-grip, maintained, 3 positions, Bezel: black

General specifications

PRODUCT NAME	Eaton Moeller® series M22 Selector switch
CATALOG NUMBER	216873
MODEL CODE	M22S-WRK3
EAN	4015082168735
PRODUCT LENGTH/DEPTH	46 mm
PRODUCT HEIGHT	30 mm
PRODUCT WIDTH	30 mm
PRODUCT WEIGHT	0.013 kg
COMPLIANCES	CE Marked
CERTIFICATIONS	IEC 60947-5 CSA Std. C22.2 No. 94-91 CSA Std. C22.2 No. 14-05 EN 60947-5 UL 508 VDE CSA File No.: 012528 CE CSA-C22.2 No. 94-91 IEC/EN 60947 CSA Class No.: 3211-03 CSA-C22.2 No. 14-05 IEC/EN 60947-5 UL UL Category Control No.: NKCR UL File No.: E29184 VDE 0660 CSA



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Features & Functions

BEZEL COLOR	Black
BEZEL MATERIAL	Plastic
COLOR	Black
DESIGN	With thumb-grip
FITTED WITH:	Front ring Plunger bridge for the middle contact
FUNCTIONS	Stay-put/spring-return function, can be changed with coding parts M22-XC-Y

Ambient conditions, mechanical

MOUNTING POSITION	As required
SHOCK RESISTANCE	Mechanical, According to IEC/EN 60068-2-27 30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms

Communication

CONNECTION TO SMARTWIRE-DT	Yes With SWD-RMQ connections
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Contacts

FORCE FOR POSITIVE OPENING - MIN	0 N
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General

ACCESSORIES	Thumb grip
DEGREE OF PROTECTION	NEMA 4X, 13
DEGREE OF PROTECTION (FRONT SIDE)	IP66
LIFESPAN, MECHANICAL	100,000 Operations
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

Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT OPERATING TEMPERATURE - MAX	70 °C
AMBIENT STORAGE TEMPERATURE - MIN	40 °C
AMBIENT STORAGE TEMPERATURE - MAX	80 °C
CLIMATIC PROOFING	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78

Actuator

ACTUATOR COLOR	Black
ACTUATOR FUNCTION	Maintained Switching function latching
ACTUATOR TYPE	Toggle
NUMBER OF SWITCH POSITIONS	3

Design verification

EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
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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
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.
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.

Resources

CATALOGUES	eaton-rmq-titan-brochure-br047004en-en-us.pdf
	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
	Flip catalog - Product Range Catalog - Command and indication
DECLARATIONS OF CONFORMITY	eaton-pushbutton-declaration-of-conformity-uk251341en.pdf
	eaton-key-operated-actuator-declaration-of-conformity-eu250865en.pdf
	eaton-pushbutton-declaration-of-conformity-eu250858en.pdf
	eaton-key-operated-actuator-declaration-of-conformity-uk251348en.pdf
DRAWINGS	eaton-operating-switch-m22-dimensions-002.eps
	eaton-operating-switch-m22-dimensions.eps
	eaton-operating-switch-m22-changeover-switch-3d-drawing-002.eps
	eaton-general-m22-symbol.eps
	eaton-general-approval-m22-symbol.eps
	eaton-general-m22-standards.eps
ECAD MODEL	ETN.216873.edz
FLYERS	eaton-rmq-titan-selection-aid-brochure-fl047002-en-us.pdf
INSTALLATION INSTRUCTIONS	IL04716002Z
INSTALLATION VIDEOS	RMQ Flat Design
MCAD MODEL	DA-CS-wahltaste
	DA-CD-wahltaste

	DA-CS-wahltaste_knebel DA-CD-wahltaste_knebel
	RMQ small E-Stop emergency-stop button easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator
MULTIMEDIA	MCI MultiColor Light Indicator RMQ compact solution MCI Multicolor Light Indicator M22 with SmartWire-DT
SALES NOTES	eaton-rmq-small-e-stop-flyer-fl047006en-en-us.pdf eaton-rmq-mci-multi-color-light-indicator-flyer-fl047005en-en-us.pdf eaton-rmq-flat-enclosure-flyer-fl047003en-en-us.pdf eaton-control-circuit-devices-rmq-titan-fl144090en-en-us.pdf

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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