DATASHEET - M22-WRK3/K20

Selector switch, RMQ-Titan, With thumb-grip, maintained, 3 positions, 2 N/O, Bezel: titanium

Part no.	**M22-WRK3/K20**
	216520
EL Number (Norway)	**4355293**

General specifications

Product name	Eaton Moeller® series M22 Selector switch
Part no.	M22-WRK3/K20
EAN	4015082165208
Product Length/Depth	130 millimetre
Product height	30 millimetre
Product width	30 millimetre
Product weight	0.037 kilogram
Certifications	UL CE CSA DNV IEC/EN 60947-5 LR UL Category Control No.: NKCR CSA-C22.2 No. 14-05 IEC/EN 60947 CSA-C22.2 No. 94-91 UL 508 CSA File No.: 012528 CSA Class No.: 3211-03 VDE 0660 GL UL File No.: E29184
Product Tradename	M22
Product Type	Selector switch
Product Sub Type	None

Features & Functions

Bezel color	Titanium
Bezel material	Plastic
Design	Classical With thumb-grip
Electric connection type	Screw connection
Fitted with:	Front ring
Functions	Stay-put/spring-return function, can be changed with coding parts M22-XC-Y

General information

Degree of protection	NEMA 12 IP66
Lifespan, mechanical	100,000 Operations
Opening diameter	22.5 mm
Operating frequency	2000 Operations/h
Operating torque	0.3 N·m
Size	Front diameter: 29.7 mm
Switching angle	60 °
Type	Selector switch actuator

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

Climatic environmental conditions

Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	70 °C
Climatic proofing	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30

Electrical rating	
Supply voltage - max	0 V
Communication	
Connection to SmartWire-DT	No
Connection type	Screw connection
Actuator	
Actuator color	Black
Actuator function	Switching function latching Maintained
Actuator type	Toggle
Number of switch positions	3
Contacts	
Force for positive opening - min	0 N
Number of contacts (change-over contacts)	0
Number of contacts (normally closed contacts)	0
Number of contacts (normally open contacts)	2
Design verification	
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 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	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.

Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / Selector switch, complete (EC001029)	
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Selector switch, complete unit (ecl@ss13-27-37-12-43 [ACN984016])	
Number of switch positions	3
Type of control element	Toggle
Suitable for illumination	No
With light source	No
Colour button	Black

Hole diameter		mm	22.5
Width opening		mm	0
Height opening		mm	0
Switching function latching			Yes
Spring-return			No
Degree of protection (IP)			IP66
Degree of protection (NEMA)			12
Supply voltage		V	0 - 0
Power loss		W	
Number of contacts as normally open contact			2
Number of contacts as normally closed contact			0
Number of contacts as change-over contact			0
Type of electric connection			Screw connection
With front ring			Yes
Material front ring			Plastic
Colour front ring			Titanium