

Changeover switch, RMO-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 Changeover 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 Category Control No.: NKCR CSA Class No.: 3211-03 CSA-C22.2 No. 14-05 IEC/EN 60947 UL 508 IEC/EN 60947-5 UL File No.: E29184 CE CSA-C22.2 No. 94-91 UL CSA CSA File No.: 012528 VDE 0660 GL DNV LR
Product Tradename		M22
Product Type		Changeover switch
Product Sub Type		None
Features & Functions		
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
General information		
Degree of protection		IP66 NEMA 12
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		30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27
Climatic environmental conditions		
Ambient operating temperature - min		-25 °C
Ambient operating temperature - max		70 °C
Climatic proofing		Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78

Electrical rating		
Supply voltage - max		0 V
Communication		
Connection to SmartWire-DT		No
Connection type		Screw connection
Actuator		
Actuator color		Black
Actuator function		Maintained Switching function latching
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 Pdis		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