

**Housing, Pushbutton actuators, Enclosure, momentary, 3 NC, 3 N/O,
Screw connection, Number of locations 3, Grey, inscribed, Bezel:
titanium**

**Part no. M22-I3-M1
216532
EL Number 4355303
(Norway)**

General specifications		
Product name		Eaton Moeller® series M22 Housing
Part no.		M22-I3-M1
EAN		4015082165321
Product Length/Depth		80 millimetre
Product height		70 millimetre
Product width		153 millimetre
Product weight		0.333 kilogram
Compliances		Contact Manufacturer
Certifications		CSA-C22.2 No. 94-91 UL Category Control No.: NKCR CSA-C22.2 No. 14-05 UL VDE 0660 UL File No.: E29184 CSA CE CSA File No.: 012528 IEC/EN 60947-5 CSA Class No.: 3211-03 IEC/EN 60947 UL 508
Product Tradename		M22
Product Type		Housing
Product Sub Type		None
Catalog Notes		Contacts with safety function, by positive opening to IEC/EN 60947-5-1
Features & Functions		
Bezel color		Titanium
Design		Enclosure
Enclosure color		Gray
Enclosure material		Plastic
Inscription		Inscribed
Knockouts		2 x M25/20 (cable entry knockouts at the side) 2 x M20 (cable entry knockouts at the base)
Number of locations		3
RAL-number		7035
General information		
Degree of protection		IP67/IP69K NEMA 4X, 13
Lifespan		5,000,000 mechanical Operations
Operating frequency		3600 Operations/h
Product category		RMQ-Titan
Size		Front dimensions: 153 x 80 mm
Type		Pushbutton 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, constant, to IEC 60068-2-78

		Damp heat, cyclic, to IEC 60068-2-30
Electrical rating		
Rated control supply voltage (Us) at AC, 50 Hz - min		115 V
Rated control supply voltage (Us) at AC, 50 Hz - max		500 V
Rated control supply voltage (Us) at AC, 60 Hz - min		115 V
Rated control supply voltage (Us) at AC, 60 Hz - max		500 V
Rated control supply voltage (Us) at DC - min		24 V
Rated control supply voltage (Us) at DC - max		220 V
Short-circuit rating		
Rated conditional short-circuit current (Iq)		1 kA
Communication		
Connection to SmartWire-DT		No
Connection type		Screw connection
Actuator		
Actuating force		5 N
Actuator color		Green, red
Actuator function		Momentary
Actuator travel and actuation force (DIN EN 60947-5-1)		4.8 mm
Knob travel		5.7 mm
Contacts		
Force for positive opening - min		15 N
Number of contacts (change-over contacts)		0
Number of contacts (normally closed contacts)		2
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) / Control circuit devices combination in enclosure (EC000225)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Command and alarm device combination in housing (ecl@ss13-27-37-12-16 [AKF034019])			
Number of command positions			3
Number of push buttons			3
Number of indicator lights			0
Number of key switches			0
Number of selector switches			0
Number of mushroom-shaped push-buttons			0
Suitable for emergency stop			No
Rated control supply voltage AC 50 Hz		V	115 - 500
Rated control supply voltage AC 60 Hz		V	115 - 500
Rated control supply voltage DC		V	24 - 220
Power consumption		W	
Colour housing cover			Grey
Housing colour			Grey
Housing material			Plastic
Number of contacts as normally open contact			2
Number of contacts as normally closed contact			2
Number of contacts as change-over contact			0
Degree of protection (IP)			IP67/IP69K
Degree of protection (NEMA)			4X, 13