



Surface mounting enclosure, yellow, 1 mounting location

Part no. **M22-IY1**
216536

EL Number
 (Norway) **4355384**

General specifications		
Product name		Eaton Moeller® series M22 Accessory Surface mounting enclosure
Part no.		M22-IY1
EAN		4015082165369
Product Length/Depth		80 millimetre
Product height		56 millimetre
Product width		72 millimetre
Product weight		0.136 kilogram
Certifications		UL 508 UL File No.: E29184 CSA-C22.2 No. 94-91 CSA Class No.: 3211-03 CE CSA File No.: 012528 CSA CSA-C22.2 No. 14-05 IEC/EN 60947-5 UL Category Control No.: NKCR UL
Product Tradename		M22
Product Type		Accessory
Product Sub Type		Surface mounting enclosure
Features & Functions		
Enclosure color		Yellow
Enclosure material		Plastic
Fitted with:		High-grade steel screws
Knockouts		2 x M16 (cable entry knockouts at the rear) 1 x M20 (cable entry knockout at the top) 2 x M20/25 (cable entry knockout at the side, 1 x each side)
Number of locations		1
RAL-number		1004
General information		
Degree of protection		NEMA 13 IP67/IP69K
Opening diameter		22.5 mm
Climatic environmental conditions		
Ambient operating temperature - min		-25 °C
Ambient operating temperature - max		70 °C
Communication		
Connection to SmartWire-DT		No
Contacts		
Force for positive opening - min		0 N
Design verification		
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) / Enclosure for control circuit devices (EC000200)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Housing for command and alarm devices (ecl@ss13-27-37-12-05 [AKF023019])			
Number of command positions			1
Construction type housing			Surface mounted housing
Housing material			Plastic
Housing material quality			Other
Diameter openings		mm	22.5
Colour housing cover			Yellow
Degree of protection (IP)			IP67/IP69K
Degree of protection (NEMA)			13
Width		mm	72
Height		mm	56
Depth		mm	80