



Surface mounting enclosure, yellow, 1 mounting location

**Part no.** M22-IY1  
**216536**  
**EL Number** 4355384  
**(Norway)**

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