DATASHEET - M22-I6



Surface mounting enclosure, 6 mounting locations



Part no.	M22-16
Catalog No.	216540
Alternate Catalog	M22-16Q
No.	
EL-Nummer	4355388
(Norway)	

Delivery program

Dontory program		
Basic function accessories		Surface mounting enclosure
Housing		Insulated material
		With high-grade steel screws
Number of locations	Qty.	6
Cable entry knockouts		
Cable entry		rear: 2 x M20 at top: 2 x M20 lateral: 2 x M20/M25 (1 x each side)
Degree of Protection		IP66
Colour		
RAL Value		RAL 7035
Colour		Enclosure base anthracite
Connection to SmartWire-DT		no
For use with		6 x Ø 22.5
For use with		(Illuminated) pushbuttons (Illuminated) selector switches Key-operated pushbuttons Indicator light controlled stop/emergency-stop buttons with yellow label

Technical data

General			
Degree of Protection			IP66
Ambient temperature			
Open	c	°C	-25 - +70

Design verification as per IEC/EN 61439

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Technical data for design verification			
Operating ambient temperature min.	•	°C	-25
Operating ambient temperature max.		°C	70
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties	
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 7.0

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@ss10.0.1-27-37-12-05 [AKF023014])

Number of command positions		6
Construction type housing		Surface mounting housing
Material housing		Plastic
Material quality housing		Other
Diameter openings	mm	22.5
Colour housing cover		Grey
Degree of protection (IP)		IP66
Degree of protection (NEMA)		4X
Width	mm	252
Height	mm	80
Depth	mm	56

Approvals

Product Standards	IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94-91; CE marking
UL File No.	E29184
UL Category Control No.	NKCR
CSA File No.	012528
CSA Class No.	3211-03
North America Certification	UL listed, CSA certified
Degree of Protection	UL/CSA Type 3R, 4X, 12, 13

Dimensions

