DATASHEET - M22-SOL-IR1Q

Surface mounting enclosure, black, red cover

Part no. **M22-SOL-IR1Q**
150646

General specifications	
Product name	Eaton Moeller® series M22 Accessory Surface mounting enclosure
Part no.	M22-SOL-IR1Q
EAN	4015081469581
Product Length/Depth	56 millimetre
Product height	80 millimetre
Product width	72 millimetre
Product weight	0.136 kilogram
Compliances	CE
Product Tradename	M22
Product Type	Accessory
Product Sub Type	Surface mounting enclosure
Catalog Notes	black with red cover
Features & Functions	
Enclosure color	Red
Enclosure material	Plastic
Functions	For mounting the PV off switch
General information	
Degree of protection	IP67/IP69K NEMA 4X
Opening diameter	22.5 mm
Product category	Accessories
Ambient conditions, mechanical	
Mounting position	As required
Climatic environmental conditions	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	70 °C
Communication	
Connection to SmartWire-DT	No
Design verification	
Equipment heat dissipation, current-dependent Pvid	0 W
Heat dissipation capacity Pdiss	1 W
Heat dissipation per pole, current-dependent Pvid	0 W
Rated operational current for specified heat dissipation (In)	0 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) / 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			Red
Degree of protection (IP)			IP67/IP69K
Degree of protection (NEMA)			4X
Width		mm	72
Height		mm	80
Depth		mm	56

© 04/2023 by Eaton Industries GmbH