DATASHEET - M22-USB-SA

Bulkhead interface, 0.6 m, Prefabricated cable with permanently connected USB 3.0 Type A plug, Bezel: titanium

Powering Business Worldwide

Part no.	**M22-USB-SA**
	107412
EL Number (Norway)	**4355600**

General specifications	
Product name	Eaton Moeller® series M22 Accessory Bulkhead interface
Part no.	M22-USB-SA
EAN	4015081071500
Product Length/Depth	120 millimetre
Product height	30 millimetre
Product width	120 millimetre
Product weight	0.043 kilogram
Compliances	CE Marked
Certifications	IEC 6113-2 UL 508 CSA Std. C22.2 No. 142 UL Category Control No.: DUXR, DUXR7 IEC/EN 6113-2 UL File No.: E330994 CE CSA-C22.2 No. 142 UL report applies to both US and Canada UL CSA Class No.: none Certified by UL for use in Canada
Product Tradename	M22
Product Type	Accessory
Product Sub Type	Bulkhead interface
Catalog Notes	Prefabricated cable with permanently connected USB 3.0 Type A plug
Features & Functions	
Bezel color	Titanium
Design	USB 3.0 A
Material	Titanium front ring
Number of poles	Nine-pole
General information	
Accessories	Connection cable
Accessory/spare part type	Accessory
Degree of protection	IP20 (with plug connected) IP65 (with closed cover) NEMA 12 (with closed cover)
Lifespan, mechanical	100 insertion cycles
Limit value class	3
Mounting depth	70 mm
Opening diameter	22.5 mm
Climatic environmental conditions	
Ambient operating temperature - min	-20 °C
Ambient operating temperature - max	70 °C
Ambient storage temperature - min	25 °C
Ambient storage temperature - max	80 °C
Electrical rating	
Insulation resistance	≥ 100 MΩ
Nominal current	900 A
Nominal voltage - max	30 V
Rated operational voltage	5 V AC/DC
Resistance	< 30 mΩ (volume resistance)
Communication	

Connection to SmartWire-DT	No
Data transfer rate	5 GBit/s, max.

Contacts

Contact material	CuSn, gold-plated
Contact type	1:1
Force for positive opening - min	0 N

Cable

Cable length	0.6 m
Cable sheath material	Polyvinyl chloride (PVC)
Outer cable diameter	6.1 mm
Permitted bending radius	15 x cable diameter

Design verification

Heat dissipation capacity Pdiss	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) / Accessories/spare parts for command devices (EC002024)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Command and alarm device (accessories) (ecl@ss13-27-37-12-92 [ACO037015])

Type of electrical accessory/spare part	Other
Type of mechanical accessory/spare part	Other
Accessory	Yes
Spare part	No