

**Bulkhead interface, 0.6 m, Prefabricated cable with permanently connected USB 3.0 Type A plug, Bezel: titanium****Part no. M22-USB-SA****107412****EL Number****4355600****(Norway)**

<b>General specifications</b>	
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
<b>Features &amp; Functions</b>	
Bezel color	Titanium
Design	USB 3.0 A
Material	Titanium front ring
Number of poles	Nine-pole
<b>General information</b>	
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
<b>Climatic environmental conditions</b>	
Ambient operating temperature - min	-20 °C
Ambient operating temperature - max	70 °C
Ambient storage temperature - min	25 °C
Ambient storage temperature - max	80 °C
<b>Electrical rating</b>	
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)
<b>Communication</b>	

Connection to SmartWire-DT		No
Data transfer rate		5 GBit/s, max.
<b>Contacts</b>		
Contact material		CuSn, gold-plated
Contact type		1:1
Force for positive opening - min		0 N
<b>Cable</b>		
Cable length		0.6 m
Cable sheath material		Polyvinyl chloride (PVC)
Outer cable diameter		6.1 mm
Permitted bending radius		15 x cable diameter
<b>Design verification</b>		
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 [AC0037015])		
Type of electrical accessory/spare part		Other
Type of mechanical accessory/spare part		Other
Accessory		Yes
Spare part		No