

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

**Part no. M22S-USB-SA**

**147535**

**EL Number**

**4315258**

**(Norway)**

<b>General specifications</b>		
Product name		Eaton Moeller® series M22 Accessory Bulkhead interface
Part no.		M22S-USB-SA
EAN		4015081439867
Product Length/Depth		120 millimetre
Product height		30 millimetre
Product width		120 millimetre
Product weight		0.043 kilogram
Certifications		CSA Class No.: none UL report applies to both US and Canada Certified by UL for use in Canada CSA-C22.2 No. 142 UL File No.: E330994 UL 508 CE UL UL Category Control No.: DUXR, DUXR7 IEC/EN 6113-2
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		Black
Design		USB 3.0 A
Number of poles		Nine-pole
<b>General information</b>		
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 P <sub>diss</sub>		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