

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

Part no. M22-USB-SA
Catalog No. 107412
Alternate Catalog No. M22-USB-SAQ
EL-Nummer (Norway) 4355600

Delivery program

| | | |
|----------------------------|---|--|
| Accessories | | General accessories |
| Basic function accessories | | Bulkhead interface, RJ45 socket |
| | | Prefabricated cable with permanently connected USB 3.0 Type A plug |
| Cable length | m | 0.6 |
| Degree of Protection | | IP65 (with closed cover) IP20 (with plug connected) |
| Front ring | | Bezel: titanium |
| Connection to SmartWire-DT | | no |
| For use with | | Front mounting |

Technical data

Technical data

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|------------------|----------------|---------------|
| Nominal voltage | U _L | AC/DC 5V |
| Voltage range | | Max. 30 V |
| Rated current | mA | 900 |
| Number of poles | | 9 |
| Baud rate | kBd | Max. 5 Gbit/s |
| Class / category | | 3.0 |
| Contact type art | | 1 : 1 |
| Screen earth kit | | yes |

General

| | | |
|-----------------------|------------------|--------------------------------|
| Design | | USB 3.0 A |
| Insulation resistance | R _{ISO} | MΩ |
| Volume resistance | | > 100 < 30 mΩ |
| Contact material | | CuSn, gold-plated |
| Mounting | | Front panel cutout d = 22.5 mm |
| Mounting depth: | mm | ca. 70 (incl. Krümmung) |
| Cable sheath | | PVC |
| Outer cable diameter | mm | 6.1 |
| Bending radius | | 15 x Cable diameter |
| Ambient temperature | | -20 - +70 |
| Storage | °C | -25 - +80 |
| Lifespan, mechanical | Operations | > 100 insertion cycles |
| Weight | kg/piece | 0.044 |

Design verification as per IEC/EN 61439

| | | |
|--|-------------------|--|
| Technical data for design verification | | |
| Heat dissipation capacity | P _{diss} | W |
| Operating ambient temperature min. | | °C |
| Operating ambient temperature max. | | °C |
| 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. |

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| 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 | | 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 8.0

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 devices (accessories) (ecl@ss10.0.1-27-37-12-92 [AC0037010])

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|---|--|-------|
| Type of electrical accessory/spare part | | Other |
| Type of mechanical accessory/spare part | | Other |