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M22S-USB-SA - Bulkhead interface, 0.6 m, Prefabricated cable with permanently connected USB 3.0 Type A plug, Bezel: black



147535 M22S-USB-SA

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## 147535 M22S-USB-SA

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

Alternate Catalog No.

M22S-USB-SAQ

EL-Nummer (Norway)

4315258

Bulkhead interface, General accessories, Prefabricated cable with permanently connected USB 3.0 Type A plug, Cable length: 0.6 m, Degree of Protection: IP65 (with closed cover), IP20 (with plug connected), Bezel: black, Connection to SmartWire-DT: no, For use with: Front mounting, Number of poles: 9

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### 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

0.6 m

Degree of Protection

IP65 (with closed cover)

IP20 (with plug connected)

Front ring

Bezel: black

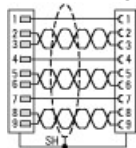
Connection to SmartWire-DT

no

For use with

Front mounting

Terminal diagram/ contact assignment



### Technical data

Technical data

Nominal voltage [U<sub>N</sub>]

AC/DC 5V

Voltage range

Max. 30 V

Rated current

900 mA  
 Number of poles  
 9  
 Baud rate  
 Max. 5 Gbit/s kBd  
 Class / category  
 3.0  
 Contact type art  
 1 : 1  
 Screen earth kit  
 yes  
 General  
 Design  
 USB 3.0 A  
 Insulation resistance [ $R_{SO}$ ]  
 $> \square 100 \text{ M}\Omega$   
 Volume resistance  
 $< 30 \text{ m}\Omega$   
 Contact material  
 CuSn, gold-plated  
 Mounting  
 Front panel cutout d = 22.5 mm  
 Mounting depth:  
 ca. 70 (incl. Krümmung) mm  
 Cable sheath  
 PVC  
 Outer cable diameter  
 6.1 mm  
 Bending radius  
 15 x Cable diameter  
 Ambient temperature  
 -20 - +70  
 Storage  
 - 25 - + 80 °C  
 Lifespan, mechanical [Operations]  
 $> 100$  insertion cycles  
 Weight  
 0.044 kg/piece

## Design verification as per IEC/EN 61439

Technical data for design verification

Heat dissipation capacity [ $P_{diss}$ ]

0 W

Operating ambient temperature min.

-20 °C

Operating ambient temperature max.

+70 °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 Strength of materials and parts 10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.2 Verification of resistance of insulating materials to normal heat

Meets the product standard's requirements.

10.2 Strength of materials and parts 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 Strength of materials and parts 10.2.4 Resistance to ultra-violet (UV) radiation

Please enquire

10.2 Strength of materials and parts 10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 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 10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

10.9 Insulation properties 10.9.3 Impulse withstand voltage

Is the panel builder's responsibility.

10.9 Insulation properties 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 7.0

Low-voltage industrial components (EG000017) / Accessories for control circuit devices (EC002024)

Type of electrical accessory

Other

Type of mechanical accessory

Other

## Approvals

Product Standards

UL 508; CSA-C22.2 No. 142; IEC/EN 6113-2; CE marking

UL File No.

E330994

UL Category Control No.

DUXR, DUXR7

CSA File No.

UL report applies to both US and Canada

CSA Class No.

-

North America Certification

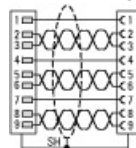
UL listed, certified by UL for use in Canada

Degree of Protection

IEC: IP65 and UL/CSA NEMA Type 2, 3R, 4, 4X, 12, 13 when closed, IP20 when connected

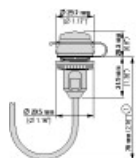
## Characteristics

Terminal diagram/ contact assignment



SH: Schirmung

## Dimensions



□ Installation depth

UAD uala

- Product-specific CAD data  
(Web)
- 3D Preview  
(Web)

## DWG files

- [DA-CD-m22\\_usb\\_sa\\_v3](#)  
File  
(Web)

## edz files

- [DA-CE-ETN.M22S-USB-SA](#)  
File  
(Web)

## Step files

- [DA-CS-m22\\_usb\\_sa\\_v3](#)  
File  
(Web)

## Product photo

- 
- 1160FIG-1229  
Photo

## Wiring diagram

- 
- 1160SM-44  
Line drawing

## 3D drawing

- 
- 1160DRW-22  
Line drawing  
Built-in USB

## Dimensions single product

- 
- 1160DIM-109
- Line drawing
- Installation depth

## Instruction Leaflet

- RMQ-Titan System(IL04716002Z)  
Asset

# Declaration of Conformity

## EU

- [RMQ Titan \(Operating and signalling devices\) M22.../M30.../C22.../C30...](#) (DA-DC-00003657)  
Asset  
(PDF)

## UK

- [RMQ Titan \(Operating and signalling devices\) M22.../M30.../C22.../C30...](#) (DA-DC-00003960)  
Asset  
(PDF)

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