## **Data Sheet**

# **HUBER+SUHNER**

# **EMP Protector 3400.17.0428**

### **Description**

Quarter-wave stub technology

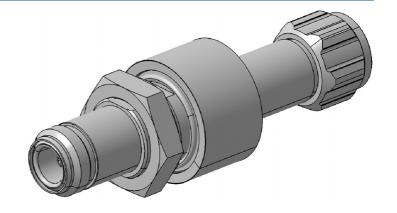
#### **Benefits**

Broad-band design

Space saving inline design

The protector can also be installed reversely

Compliant to IEC 61643-21



## **Product Configuration**

Main path connectors Port 1: <u>unprotected</u>, N plug (male) - Port 2: <u>protected</u>, N jack (female)

Mounting and grounding MH170 (bulkhead mounting), brk (bracket)

Side of bulkhead protected side
Design speciality inline design

#### **Technical Data**

#### **Electrical Data**

Impedance 50  $\Omega$ 

 Frequency range
 2000 - 6000 MHz

 Return loss
 ≥ 20 dB

 Insertion loss
 ≤ 0.2 dB

 RF CW power
 ≤ 300 W

 PIM 3rd order
 not specified

Surge current handling capability 50 multiple kA (test pulse 8/20 µs)

Residual pulse energy 0.2 µJ typically (test pulse 4 kV 1.2/50 µs / 2 kA 8/20 µs) main path - protected side

**Mechanical Data** 

Number of matings 100
Weight 103 g

**Environmental Data** 

Operating temperature -40 °C to +85 °C

Waterproof degree IP68 (according to IEC 60529, data refer to the coupled state)

2011/65/EU (RoHS - including compliant 2015/863 and 2017/2102)

**Material Data** 

Piece Parts	Material	Surface Plating
Housing	Aluminium	Chromatized
Port 1 center contact	Brass	Gold Plating (without Nickel underplating)
Port 2 center contact	Copper Beryllium Alloy	Gold Plating (without Nickel underplating)

#### **Related Documents**

Outline drawing DOU-00106584.1 Mounting instruction DOC-0000447876

#### Remarks

Ordering information for optional mounting/grounding accessories:

-Grounding ring 9075.99.0027, terminal lug for cable 6AWG/16 mm^2 (diameter 6 mm), material: copper, tin plated Recommendation: if this protector is mated with connectors made of copper-alloy base material and trimetal or nickel plating the connector area must be taped to improve long-term durability.

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HUBER+SUHNER is certified according to ISO 9001, ISO 14001, AS/EN9100, ISO/TS 16949 and IRIS.

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