## **Data Sheet**

# **UBER+SUHNER**

## **EMP Protector** 3400.17.0431

#### **Description**

Quarter-wave stub technology

#### **Benefits**

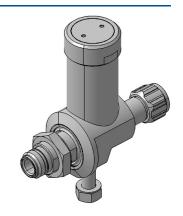
Broad-band design

The protector can also be installed reversely

Multi-band operation

Mounting screw set 9075.99.0023 included

Compliant to IEC 61643-21



### **Product Configuration**

Main path connectors Mounting and grounding Side of bulkhead

Port 1: unprotected, N plug (male) - Port 2: protected, N jack (female)

MH170 (bulkhead mounting), M8 (screw), brk (bracket)

protected side

#### **Technical Data**

**Electrical Data** 

Impedance 50 Ω

690 - 2200 MHz 690 - 960 MHz 1700 - 2200 MHz Frequency range Return loss ≥ 23 dB ≥ 24 dB ≥ 24 dB Insertion loss ≤ 0.15 dB ≤ 0.15 dB ≤ 0.15 dB RF CW power ≤ 500 W ≤ 500 W ≤ 500 W PIM 3rd order -150 dBc max. -150 dBc max. -150 dBc max.

Surge current handling capability

Residual pulse energy

50 multiple kA (test pulse 8/20 µs)

10  $\mu J$  typically (test pulse 4 kV 1.2/50  $\mu s$  / 2 kA 8/20  $\mu s)$  main path - protected side

**Mechanical Data** 

Number of matings 500 Weight 440 g

**Environmental Data** 

Operating temperature

-40 °C to +85 °C

Waterproof degree IP67 (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	Brass	SUCOPLATE (R) Plating
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-00137845.1 DOC-0000176104 Mounting instruction

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

www.hubersuhner.com

Waiver: Fact and figures herein are for information only and do not represent any warranty of any kind.