# Data Sheet

**HUBER+SUHNER**

## EMP Protector
## 3407.17.0088

## Description

Quarter-wave stub technology with integrated high-pass filter

**Benefits**

Broad-band design

Mounting screw set included

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 | MH74 (bulkhead mounting), M8 (screw), brk (bracket) |
| Side of bulkhead | protected side |

## Technical Data

**Electrical Data**

| | |
|---|---|
| Impedance | 50 Ω |
| Frequency range | 74 - 420 MHz |
| Return loss | ≥ 23.1 dB |
| Insertion loss | ≤ 0.15 dB |
| RF CW power | ≤ 500 W |
| PIM 3rd order | not specified |
| Surge current handling capability | 50 multiple kA (test pulse 8/20 µs) |
| Residual pulse energy | 0.1 µJ typically (test pulse 4 kV 1.2/50 µs / 2 kA 8/20 µs) main path - protected side |

**Mechanical Data**

| | |
|---|---|
| Number of matings | 500 |
| Weight | 680 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 2015/863 and 2017/2102) | compliant |

**Material Data**

| Piece Parts | Material | Surface Plating |
|---|---|---|
| Housing | Brass | SUCOPLATE (R) Plating |
| Port 1 center contact | Copper Beryllium Alloy | Gold Plating |
| Port 2 center contact | Copper Beryllium Alloy | Gold Plating |

## Related Documents

| | |
|---|---|
| Outline drawing | DOU-00201643 |
| Mounting instruction | DOC-0000176104 |

## Remarks

SPD acc. EN 61643-21 categoriy D1, high energy test 20 kA, 10/350 us

Mounting screw set 9075.99.0108 included: (threaded stud M8, length 30mm, hexagonal nut M8, washer and tooth washer)

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