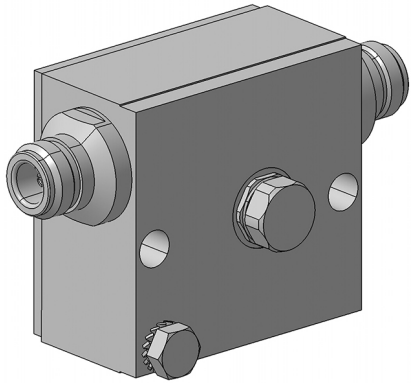
# Data Sheet

HUBER+SUHNER

## EMP Protector
## 3403.17.0042

## Description

Fine protector hybrid technology



**Benefits**

Broad-band design
DC continuity for remote powering
Replaceable GDT 9071.99.0548, (90 V) included
Compliant to IEC 61643-21

## Product Configuration

| | |
|---|---|
| Main path connectors | Port 1: unprotected, N jack (female) - Port 2: protected, N jack (female) |
| Mounting and grounding | M4 (screw), brk (bracket) |

## Technical Data

### Electrical Data

| | | | |
|---|---|---|---|
| Impedance | 50 Ω | | |
| Frequency range | 650 - 2500 MHz | 650 - 2300 MHz | 2300 - 2500 MHz |
| Return loss | | ≥ 20.8 dB | ≥ 18 dB |
| Insertion loss | | ≤ 0.5 dB | ≤ 0.5 dB |
| RF CW power | ≤ 50 W | | |
| PIM 3rd order | not specified | | |

| | |
|---|---|
| DC supply voltage | ≤ 15 V |
| DC current | ≤ 3 A |
| Surge current handling capability | 30 single / 20 multiple kA (test pulse 8/20 µs) |
| Residual pulse energy | 6 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 | 330 g |

### Environmental Data

| | |
|---|---|
| Operating temperature | -40 °C to +85 °C |
| Waterproof degree | IP65 (according to IEC 60529, data refer to the coupled state) |
| 2011/65/EU (RoHS - including 2015/863 and 2017/2102) | compliant acc. Annex III |

### Material Data

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

## Related Documents

| | |
|---|---|
| Outline drawing | DOU-00018472.1 |
| Mounting instruction | DOC-0000176104 |

## Remarks

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.

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

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