### **Data Sheet**

## **HUBER+SUHNER**

# **EMP Protector 3402.17.3001**

#### **Description**

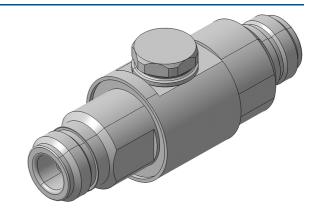
GDT technology up to 3.0 GHz

#### **Benefits**

Broad-band design

DC continuity for remote powering
The protector can also be installed reversely
Delivered without gas discharge tube
Data refer to GDT 9071.99.0547, 230 V

Compliant to IEC 61643-21



#### **Product Configuration**

Main path connectors Mounting and grounding Side of bulkhead Port 1: unprotected, N jack (female) - Port 2: protected, N jack (female)

MH170 (bulkhead mounting), brk (bracket)

protected side

#### **Technical Data**

#### **Electrical Data**

Impedance 50  $\Omega$ 

 Frequency range
 0 - 3000 MHz
 0 - 2000 MHz

 Return loss
 ≥ 20 dB
 ≥ 26 dB

 Insertion loss
 ≤ 0.3 dB
 ≤ 0.2 dB

 RF CW power
 ≤ 150 W
 ≤ 150 W

PIM 3rd order not specified

DC current ≤ 6 A

Surge current handling capability 30 single / 20 multiple kA (test pulse 8/20  $\mu$ s)

Residual pulse energy 350  $\mu$ 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 154 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	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-00237017

Mounting instruction DOC-0000176104

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

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