# **Data Sheet**

# **EMP Protector** 3402.17.3001



## **Description**

GDT technology up to 3.0 GHz

#### **Benefits**

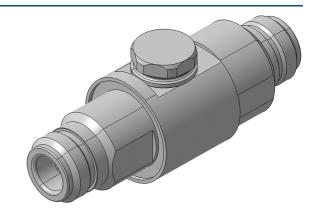
Broad-band design

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

MH170 (bulkhead mounting), brk (bracket)

protected side

#### **Technical Data**

#### **Electrical Data**

Side of bulkhead

Impedance 50 Ω

0 - 3000 MHz 0 - 2000 MHz Frequency range Return loss ≥ 20 dB ≥ 26 dB ≤ 0.3 dB ≤ 0.2 dB Insertion loss RF CW power ≤ 150 W ≤ 150 W

PIM 3rd order not specified

≤ 6 A DC current

Surge current handling capability 30 single / 20 multiple kA (test pulse 8/20 µs)

Residual pulse energy 350 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 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)

compliant

#### **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 DOC-0000176104 Mounting instruction

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