# **Data Sheet**

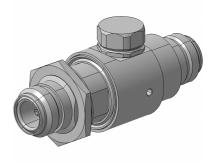
**EMP Protector** 3402.17.A

## **Description**

GDT technology up to 2.5 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   | Port 1: <u>unprotected</u> , N jack (female) - Port 2: <u>protected</u> , N jack (female) |
|------------------------|---|
| Mounting and grounding | MH25 (bulkhead mounting), brk (bracket)   |
| Side of bulkhead       | protected side  |
|                        |   |

# **Technical Data**

| Electrical | Data |
|------------|------|
|------------|------|

| Electrical Data                   |   |  |  |
|-----------------------------------|---|--|--|
| Impedance                         | 50 Ω  |  |  |
| Frequency range                   | 0 - 2500 MHz  |  |  |
| Return loss                       | ≥ 20 dB   |  |  |
| Insertion loss                    | ≤ 0.2 dB  |  |  |
| RF CW power                       | ≤ 150 W   |  |  |
| PIM 3rd order                     | not specified   |  |  |
| Surge current handling capability | 30 single / 20 multiple kA (test pulse 8/20 μs)   |  |  |
| 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                            | 126 g   |  |  |
|                                   |   |  |  |
| Environmental Data                |   |  |  |
| Operating temperature             | -40 °C to +85 °C  |  |  |
| Waterproof degree                 | IP 65 (according to IEC 60529, data refer to the coupled state)                                       |  |  |
| 2011/65/EU (RoHS)                 | compliant   |  |  |
| Natarial Data                     |   |  |  |
| 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 Mounting instruction DOU-00019177.1 DOC-0000176104

## Remarks

Customer part number

NATO: NSN 5920-99-773-3078

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