

## EMP Protector 3401.99.0020

### Description

GDT technology up to 1.0 GHz

#### Benefits

- DC continuity for remote powering
- The protector can also be installed reversely
- GDT holder with chain
- Replaceable GDT 9071.99.0547 (230 V) included
- Compliant to IEC 61643-21



### Product Configuration

Main path connectors  
Mounting and grounding  
Side of bulkhead

Port 1: unprotected, F jack (female) - Port 2: protected, F jack (female)  
MH12 (bulkhead mounting), brk (bracket)  
protected side

### Technical Data

#### Electrical Data

|                 |               |
|-----------------|---------------|
| Impedance       | 75 Ω          |
| Frequency range | 0 - 1000 MHz  |
| Insertion loss  | ≤ 0.2 dB      |
| RF CW power     | ≤ 50 W        |
| PIM 3rd order   | not specified |

Surge current handling capability  
40 single / 20 kA 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 | 100   |
| Weight            | 103 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<br>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 (without Nickel underplating) |
| Port 2 center contact | Copper Beryllium Alloy | Gold Plating (without Nickel underplating) |

### Related Documents

|                      |                |
|----------------------|----------------|
| Outline drawing      | DOU-00003989.1 |
| Mounting instruction | DOC-0000176104 |

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