

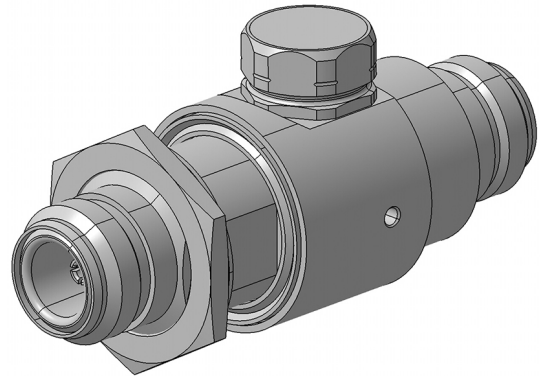
## EMP Protector 3402.17.0072-EX

### Description

GDT technology up to 2.5 GHz

#### Benefits

Self-extinguishing Semper functionality  
Broad-band design  
DC continuity for remote powering  
The protector can also be installed reversely  
Replaceable GDT unit 9071.99.0647, (230 V) included  
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

Impedance	50 $\Omega$
Frequency range	0 - 2500 MHz
Return loss	$\geq 20$ dB
Insertion loss	$\leq 0.2$ dB
RF CW power	$\leq 150$ W
PIM 3rd order	not specified
DC supply voltage	$\leq 48$ V
DC current	$\leq 2.5$ 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
Turn-off time	20 s typically at 2.0 A and 25 °C ambient temperature < 40 s typically below 1 A and 25 °C ambient temperature
Recovery time	7 s at 25 °C ambient temperature

#### Mechanical Data

Number of matings	500
Weight	126 g

#### Environmental Data

Operating temperature	-40 °C to +85 °C (Lightning protection functionality) -20 °C to +85 °C (SEMPER <sup>TM</sup> functionality)
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	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-00070744.1
Mounting instruction	DOC-0000176104