# **Data Sheet**

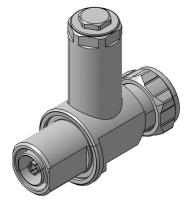
# EMP Protector 3409.41.0092

#### Description

High-power/low-IM GDT hybrid technology

#### Benefits

Multi-band operation DC continuity for remote powering The protector can also be installed reversely AISG compliant for 2.176 MHz carrier Replaceable GDT 9071.99.0548, (90 V) included Compliant to IEC 61643-21



## **Product Configuration**

Main path connectorsPort 1: unprotected, 7/16 plug (male) - Port 2: protected, 7/16 jack (female)Mounting and groundingMH110 (bulkhead mounting), M8 (screw), brk (bracket)Side of bulkheadprotected side

#### **Technical Data**

#### **Electrical Data**

Electrical Data			
Impedance	50 Ω		
Frequency range	10 MHz	690 - 2690 MHz	
Return loss	18 dB typ.	≥ 26 dB	
Insertion loss	0.1 dB typ.	≤ 0.1 dB	
RF CW power		≤ 1500 W	
PIM 3rd order		-160 dBc max.	
DC supply voltage	≤ 48 V		
DC current Surge current handling capability	≤ 13 A		
	30 single / 20 multiple kA (test pulse 8/20 μs) 350 μJ typically (test pulse 4 kV 1.2/50 μs / 2 kA 8/20 μs) main path - protected side		
Residual pulse energy			
Mechanical Data			
Number of matings	500		
Weight	495 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 acc. Annex III		
0045/000			

#### Material Data

2015/863 and 2017/2102)

Piece Parts	Material	Surface Plating
Housing	Brass	SUCOPLATE (R) Plating
Port 1 center contact	Brass	Silver Plating
Port 2 center contact	Bronze	Silver Plating

### **Related Documents**

Outline drawing Mounting instruction DOU-00205231 DOC-0000176104

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