

# COAXIAL SURGE PROTECTOR DEVICE, Fine protectors hybrid technology, box design, bypass voltage 15 V, DC current 3 A

3403.17.0049

## Properties

- Two stages hybrid protection: GDT and fine protector
- Residual surge pulse energy reduced by about factor 100 compared to standard GDT
- Full lightning protection as standard gas discharge tube (GDT) protectors
- Gas discharge tube included
- DC/AC remote powering via coaxial same cable



## Product configuration

Main path connectors	Port 1: unprotected, N plug (male) Port 2: protected, N jack (female)
Mounting and grounding	MH119 (bulkhead mounting), M4 (screw)
Side of bulkhead	protected side

## Interface and material data

Housing material / plating	Aluminium / Chromatized
Center contact, material / plating	Port 1: Brass / Gold Plating (without Nickel underplating) Port 2: Copper Beryllium Alloy / Gold Plating (without Nickel underplating)

## Electrical data

Impedance	50 $\Omega$
Frequency frame	650 MHz to 2500 MHz
Return loss typical	20.8 dB
Insertion loss typical	0.5 dB
CW power frame	50 W
Residual pulse energy (typ.)	6 $\mu$ J (test pulse 4 kV 1.2/50 $\mu$ s; 2 kA 8/20 $\mu$ s)
Residual pulse voltage (typ.)	18 V (test pulse 4 kV 1.2/50 $\mu$ s; 2 kA 8/20 $\mu$ s)
Surge current handling capability	30 kA single, 20 kA multiple (test pulse 8/20 $\mu$ s)

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Electrical remarks			
DC supply voltage		15 V	
DC current		3 A	
Gas tube		Yes DC, GDT included, replaceable, 9071.99.0548 (90 V)	
Mechanical data			
Weight		355 g	
Mating cycles		500	
Environmental data			
Operation temperature		-40 °C ... 85 °C	
Storage temperature		-40 °C ... 85 °C	
Ingress protection (IP Rating)		Mated / IP65, according to IEC 60529	
Thermal shock according		MIL-STD-202, Method 107, Cond. B	
Vibration according		MIL-STD-202, Method 204, Cond. A	
Moisture resistance according		MIL-STD-202, Method 106	
Compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
23037100	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c
	REACH 1907/2006 Article 33 SVHC	Contains one or more SVHC >0,1%	CAS: 7439-92-1 Lead
Ordering Information Table			
Item number		Item description	
23037100		3403.17.0049	

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