

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

3403.17.0042

## 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
- NEMP tested



Product configuration	
Main path connectors	Port 1: unprotected, N jack (female) Port 2: protected, N jack (female)
Mounting and grounding	M4 (screw), brk (bracket)
Interface and material data	
Housing material / plating	Aluminium / Chromatized
Center contact, material / plating	Port 1: Copper Beryllium Alloy / Gold Plating (without Nickel underplating) Port 2: Copper Beryllium Alloy / Gold Plating (without Nickel underplating)
Electrical data	
Impedance	50 Ω
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.)	4 μJ LEMP (test pulse 4 kV 1.2/50 μs; 2 kA 8/20 μs) 3 μJ NEMP (test pulse 6 kV 5/200 ns)
Residual pulse voltage (typ.)	20 V LEMP (test pulse 4 kV 1.2/50 μs; 2 kA 8/20 μs) 160 V NEMP (test pulse 6 kV 5/200 ns)
Surge current handling capability	30 A single, 20 kA multiple (test pulse 8/20 μs)

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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	348 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

Ordering Information Table	
Item number	Item description
23029830	3403.17.0042

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