

COAXIAL SURGE PROTECTOR DEVICE, Fine protectors hybrid technology, barrel design, bypass voltage 6 V, DC current 4 A
3403.17.0060

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	MH12 (bulkhead mounting)
Side of bulkhead	protected side
Interface and material data	
Housing material / plating	Aluminium
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	800 MHz to 2500 MHz
Return loss typical	26.44 dB
Insertion loss typical	0.3 dB
CW power frame	50 W
Residual pulse energy (typ.)	6 µJ LEMP (test pulse 4 kV 1.2/50 µs; 2 kA 8/20 µs)
	37 µJ (test pulse 5 kA 10/350 µs)
	3.6 µJ NEMP (test pulse 6 kV 2.3/23 ns)
Residual pulse voltage (typ.)	8 V LEMP (test pulse 4 kV 1.2/50 µs; 2 kA 8/20 µs)
	11 V (test pulse 5 kA 10/350 µs)
	291 V NEMP (test pulse 6 kV 2.3/23 ns)

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Electrical data			
Surge current handling capability		20 kA single (test pulse 8/20 μs)	
Electrical remarks			
DC supply voltage		6 V	
DC current		4 A	
Gas tube		Yes DC, GDT included, not replaceable	
Mechanical data			
Weight		95 g	
Mating cycles		100	
Environmental data			
Operation temperature		-40 °C ... 85 °C	
Storage temperature		-40 °C ... 85 °C	
Ingress protection (IP Rating)		IP67, 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
84030303	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	
84030303		3403.17.0060	

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DOCUMENT PIM-PI988 / Date of publication: 31.03.2025 / uncontrolled copy