

# 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



CE  
UK  
CA

## 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)
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**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-P1988 / Date of publication: 31.03.2025 / uncontrolled copy