DATA SHEET

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

3403.17.0050

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 jack (female)
	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: 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.)	6 µJ (test pulse 4 kV 1.2/50 µs; 2 kA 8/20 µs)
Residual pulse voltage (typ.)	18 V LEMP (test pulse 4 kV 1.2/50 µs; 2 kA 8/20 µs)
Surge current handling capability	30 kA single, 20 kA multiple (test pulse 8/20 µs)

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

3403.17.0050

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	330 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
23037101	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
23037101	3403.17.0050

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.
DOCUMENT PIM-P1990 / Date of publication: 28.02.2025 / uncontrolled copy