

COAXIAL SURGE PROTECTOR DEVICE, GDT technology up to 1.0 GHz,  
with GDT 470 V  
3401.17.0056

Properties

- Broadband frequency operation from DC to 1 GHz
- Gas discharge tube replaceable and included
- DC/AC remote powering via coaxial same cable
- Surge current handling capability 30 kA once and 20 kA multiple
- Semper self-extinguishing functionality optional



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
EMP can be install reversed	YES
Interface and material data	
Housing material / plating	Brass / SUCOPLATE (R) Plating
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	0 MHz to 1000 MHz
Return loss typical	26.44 dB
Insertion loss typical	0.1 dB
CW power frame	586 W
Residual pulse energy (typ.)	750 μJ (test pulse 4 kV 1.2/50 μs; 2 kA 8/20 μs)
Residual pulse voltage (typ.)	1400 V (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)
Electrical remarks	
Gas tube	Yes DC, GDT included, replaceable, 9071.99.0550 (470 V)

**COAXIAL SURGE PROTECTOR DEVICE, GDT technology up to 1.0 GHz, with GDT 470 V**  
3401.17.0056

Mechanical data	
Weight	109 g
Mating cycles	500

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Ingress protection (IP Rating)	IP67
Thermal shock according	MIL-STD-202, Method 107, Cond. B
Vibration according	MIL-STD-202, Method 204, Cond. D
Moisture resistance according	MIL-STD-202, Method 106

Compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
84145588	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

Comment	
Replacement parts: - Mounting washer nut set 9075.99.0035 - Gas discharge tube holder 9075.99.0112 - Gas discharge tube 9071.99.0550, (470 V)	

Ordering Information Table	
Item number	Item description
84145588	3401.17.0056

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-P2031 / Date of publication: 28.02.2025 / uncontrolled copy