

# 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 $\Omega$
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 $\mu$ J (test pulse 4 kV 1.2/50 $\mu$ s; 2 kA 8/20 $\mu$ s)
Residual pulse voltage (typ.)	1400 V (test pulse 4 kV 1.2/50 $\mu$ s; 2 kA 8/20 $\mu$ s)
Surge current handling capability	30 kA single, 20 kA multiple (test pulse 8/20 $\mu$ s)

## Electrical remarks

Gas tube	Yes DC, GDT included, replaceable, 9071.99.0550 (470 V)
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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

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