

# COAXIAL SURGE PROTECTOR DEVICE, Fine protectors hybrid technology, barrel design, bypass voltage 60 V, DC current 4 A

3403.17.0069

## 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	MH12 (bulkhead mounting)
Side of bulkhead	protected side

## Interface and material data

Housing material / plating	Aluminium
Center contact, material / plating	Port 1: Bronze / Gold Plating (without Nickel underplating) Port 2: Bronze / Gold Plating (without Nickel underplating)

## Electrical data

Impedance	50 Ω
Frequency frame	5.5 MHz to 400 MHz
Return loss typical	10 dB
Insertion loss typical	1 dB
Residual pulse energy (typ.)	24 μJ (test pulse 4 kV 1.2/50 μs; 2 kA 8/20 μs)
Residual pulse voltage (typ.)	60 V (test pulse 4 kV 1.2/50 μs; 2 kA 8/20 μs)
Surge current handling capability	8 kA multiple (test pulse 8/20 μs)

## Electrical bands

	Range 1	Range 2
Frequency range	40 MHz ... 55 MHz	55 MHz ... 400 MHz
Return loss typical	20 dB	26 dB
Insertion loss	0.25 dB	0.25 dB

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**Electrical bands**

	Range 1	Range 2
Power avg. / peak	100 W / 10000 W	100 W / -

**Electrical remarks**

DC supply voltage	60 V
DC current	4 A
Gas tube	Yes DC, GDT included, not replaceable

**Mechanical data**

Weight	93 g
Mating cycles	100

**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. A
Moisture resistance according	MIL-STD-202, Method 106

**Compliance**

Item number	Directive / Regulation	Rating	Exemptions / Details
84144468	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
84144468	3403.17.0069

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