

COAXIAL SURGE PROTECTOR DEVICE, Quarter-wave stub technology

3400.17.0426

Properties

- Maintenance-free products
- Highest current handling capability up to 100 kA max.
- Best PIM performance
- Available in several frequency ranges from 380MHz up until 18GHz
- Insertion loss not exceeding 0.2 dB max.
- Compliant to IEC 61643-21



Product configuration

Main path connectors	Port 1: unprotected, N jack (female) Port 2: protected, N jack (female)
Mounting and grounding	MH170 (bulkhead mounting), brk (bracket)
Side of bulkhead	protected side
Inline design	YES
EMP can be install reversed	YES

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	2000 MHz to 6000 MHz
Return loss typical	≥ 20 dB
Insertion loss typical	≤ 0.2 dB
CW power frame	≤ 300 W
Residual pulse energy (typ.)	0.2 μJ LEMP (test pulse 4 kV 1.2/50 μs; 2 kA 8/20 μs) 250 μJ (test pulse 55 kA 8/20 μs)
Residual pulse voltage (typ.)	1.5 V LEMP (test pulse 4 kV 1.2/50 μs; 2 kA 8/20 μs) 30 V (test pulse 55 kA 8/20 μs)
Surge current handling capability	50 kA multiple (test pulse 8/20 μs)

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Electrical remarks

Gas tube	No DC / shorted QW or LC
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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)	Mated / IP68, 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
84040116	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

	Ordering information for optional mounting/grounding accessories: -Grounding ring 9075.99.0027, terminal lug for cable 6AWG/16 mm ² (diameter 6 mm), material: copper, tin plated
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Ordering Information Table

Item number	Item description
84040116	3400.17.0426

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