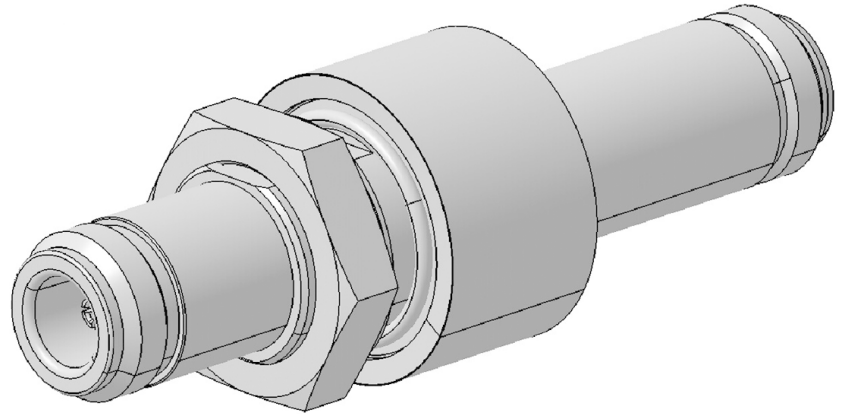


# COAXIAL SURGE PROTECTOR DEVICE, Quarter-wave stub technology

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
- Inertion loss not exceeding 0.2 dB max.



## 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 Port 1: Copper Beryllium Alloy / Gold Plating (without Nickel underplating)
Center contact, material / plating	Port 2: Copper Beryllium Alloy / Gold Plating (without Nickel underplating)

## Electrical data

Impedance	50 $\Omega$
Frequency frame	2000 MHz to 6000 MHz
Return loss typical	$\geq 20$ dB
Insertion loss typical	$\leq 0.2$ dB
CW power frame	$\leq 300$ W
Residual pulse energy (typ.)	0.2 $\mu$ J LEMP (test pulse 4 kV 1.2/50 $\mu$ s; 2 kA 8/20 $\mu$ s) 250 $\mu$ J (test pulse 55 kA 8/20 $\mu$ s)
Residual pulse voltage (typ.)	1.5 V LEMP (test pulse 4 kV 1.2/50 $\mu$ s; 2 kA 8/20 $\mu$ s) 30 V (test pulse 55 kA 8/20 $\mu$ s)
Surge current handling capability	50 kA multiple (test pulse 8/20 $\mu$ s)

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Electrical remarks	
Gas tube	No DC / shorted QW or LC
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)	IP68
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
Comment	
	Ordering information for optional mounting/grounding accessories: -Grounding ring 9075.99.0027, terminal lug for cable 6AWG/16 mm <sup>2</sup> (diameter 6 mm), material: copper, tin plated
Ordering Information Table	
Item number	Item description
84040116	3400.17.0426

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