

# COAXIAL SURGE PROTECTOR DEVICE, Quarter-wave stub technology

3400.17.0388

## 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.



## Product configuration

Main path connectors	Port 1: unprotected, N plug (male) Port 2: protected, N jack (female)
Mounting and grounding	MH74 (bulkhead mounting), M8 (screw), brk (bracket)
Side of bulkhead	protected side

## Material data

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

## Electrical data

Impedance	50 $\Omega$
Frequency frame	380 MHz to 512 MHz
Return loss typical	$\geq 20$ dB
Insertion loss typical	$\leq 0.1$ dB
CW power frame	500 W
PIM 3rd order	-150 dBc max.

## Electrical remarks

Surge current handling capability	50 multiple kA (test pulse 8/20 $\mu$ s)
Residual pulse energy	5 $\mu$ J typically (test pulse 4 kV 1.2/50 $\mu$ s / 2 kA 8/20 $\mu$ s) main path - protected side
Gas tube	No DC / shorted QW or LC

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<b>Mechanical data</b>	
Weight	603 g
Mating cycles	500

<b>Environmental data</b>	
Operation temperature	-40 °C ... 85°C
Storage temperature	-40 °C ... 85°C
Ingress protection (IP Rating)	IP65

<b>Ordering Information Table</b>	
Item number	Item description
23035462	3400.17.0388

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