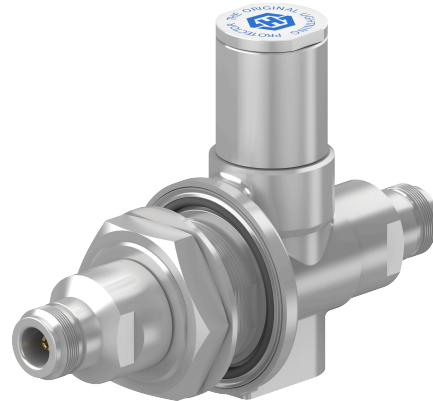


# COAXIAL SURGE PROTECTOR DEVICE, Quarter-wave stub technology with integrated high-pass filter

3407.17.0023

## Properties

- Residual voltage reduced by 80 % compared to standard types of series 3400
- Residual energy reduced of more than 99.9 % compared to series 3401 and 3402
- DC-blocking on protected side of the device
- Available for applications from 70 MHz to 18 GHz
- Return loss 20 dB min. and Insertion loss 0.2 dB max.



## Product configuration

Main path connectors	Port 1: unprotected, N jack (female) Port 2: protected, N jack (female)
Mounting and grounding	MH74 (bulkhead mounting), M8 (screw), brk (bracket)
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	220 MHz to 450 MHz
Return loss typical	$\geq 20$ dB
Insertion loss typical	$\leq 0.1$ dB
CW power frame	$\leq 500$ W
Residual pulse energy (typ.)	0.03 $\mu$ J (test pulse 4 kV 1.2/50 $\mu$ s; 2 kA 8/20 $\mu$ s)
Surge current handling capability	50 kA multiple (test pulse 8/20 $\mu$ s)
	25 kA multiple (test pulse 10/350 $\mu$ s)

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Electrical remarks	
Gas tube	No DC / shorted QW or LC
Electrical remarks	450 MHz to 465 MHz, RL typ.19 dB, IL typ. 0.1 dB
Mechanical data	
Weight	550 g
Mating cycles	500
Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Ingress protection (IP Rating)	Mated / IP65, 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
Comment	
	SPD acc. EN 61643-21 category D1, Mounting set 9075.99.0040 for bulkhead mounting seperately included
Ordering Information Table	
Item number	Item description
23008638	3407.17.0023

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