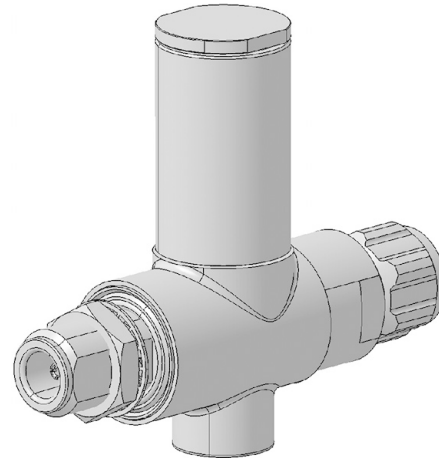


# COAXIAL SURGE PROTECTOR DEVICE, Quarter-wave stub technology with integrated high-pass filter

3407.17.0053

## 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 plug (male) Port 2: protected, N jack (female)
Mounting and grounding	MH12 (bulkhead mounting), M8 (screw), brk (bracket)
Side of bulkhead	protected side

## Interface and 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	320 MHz to 512 MHz
Return loss typical	20 dB
Insertion loss typical	0.2 dB
CW power frame	500 W

## Electrical remarks

Surge current handling capability	50 multiple kA (test pulse 8/20 $\mu$ s)
Residual pulse energy	0.03 $\mu$ 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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Mechanical data	
Weight	320 g
Mating cycles	500

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

Ordering Information Table	
Item number	Item description
23001675	3407.17.0053

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