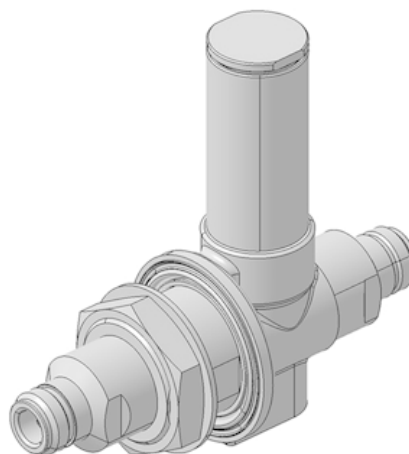


COAXIAL SURGE PROTECTOR DEVICE, Quarter-wave stub technology with integrated high-pass filter

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

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 Ω
Frequency frame	220 MHz to 450 MHz
Return loss typical	20 dB
Insertion loss typical	0.1 dB
CW power frame	500 W

Electrical remarks

Surge current handling capability	50 multiple kA (test pulse 8/20 μ s)
Residual pulse energy	0.03 μ J typically (test pulse 4 kV 1.2/50 μ s / 2 kA 8/20 μ s) main path - protected side
Gas tube	No DC / shorted QW or LC

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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)	IP65

Comment
SPD acc. EN 61643-21 category D1, high energy test 25 kA, 10/350 us Mounting set 9075.99.0040 for bulkhead mounting separately included 450 MHz to 465 MHz, RL typ.19 dB, IL typ. 0.1 dB

Ordering Information Table	
Item number	Item description
23008638	3407.17.0023

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