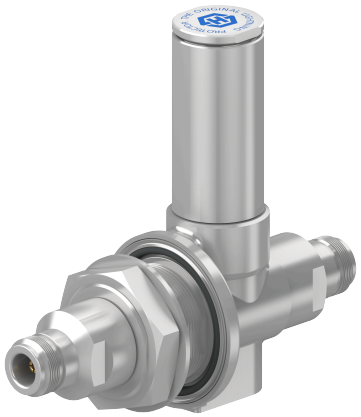
DATA SHEET

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

3407.17.0022

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.
- Maintenance free



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 Ω
Frequency frame	74 MHz to 180 MHz
Return loss typical	≥ 20 dB
Insertion loss typical	≤ 0.15 dB
CW power frame	≤ 500 W
Residual pulse energy (typ.)	0.7 µJ (test pulse 4 kV 1.2/50 µs; 2 kA 8/20 µs)
Residual pulse voltage (typ.)	11 V (test pulse 4 kV 1.2/50 µs; 2 kA 8/20 µs)
Surge current handling capability	50 kA multiple (test pulse 8/20 µs)

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Electrical remarks	
Gas tube	No DC / shorted QW or LC

Mechanical data	
Weight	580 g
Mating cycles	500

Environmental data	
Operation temperature	-40 °C ... 85 °C
Storage temperature	-40 °C ... 85 °C
Ingress protection (IP Rating)	Mated / IP66, 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

Compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
22652605	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c
	REACH 1907/2006 Article 33 SVHC	Contains one or more SVHC >0,1%	CAS: 7439-92-1 Lead

Comment	
	SPD acc. EN 61643-21 categoriy D1, high energy test 25 kA, 10/350 us Mounting set 9075.99.0040 for bulkhead mounting seperately included

Ordering Information Table	
Item number	Item description
22652605	3407.17.0022

DOCUMENT PIM-P1965 / Date of publication: 28.02.2025 / uncontrolled copy