

COAXIAL SURGE PROTECTOR DEVICE, Quarter-wave stub technology

3400.17.0024

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 jack (female) Port 2: protected, N jack (female)
Mounting and grounding	MH50 (bulkhead mounting)
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	824 MHz to 960 MHz
Return loss typical	≥ 20 dB
Insertion loss typical	≤ 0.1 dB
CW power frame	≤ 1000 W
Residual pulse energy (typ.)	5 µJ (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)

Electrical remarks

Gas tube	No DC / shorted QW or LC
----------	--------------------------

COAXIAL SURGE PROTECTOR DEVICE, Quarter-wave stub technology

3400.17.0024

Mechanical data

Weight	170 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

Compliance

Item number	Directive / Regulation	Rating	Exemptions / Details
22648918	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

Ordering Information Table

Item number	Item description
22648918	3400.17.0024

HUBER+SUHNER is certified by ISO 9001, ISO 14001, ISO 45001, IATF 16949, AS/EN 9100 and ISO/TS 22163-IRIS. Waiver: Facts and figures herein are for information only and do not represent any warranty of any kind.

DOCUMENT PIM-P2077 / Date of publication: 28.02.2025 / uncontrolled copy