

COAXIAL SURGE PROTECTOR DEVICE, Quarter-wave stub technology
3400.17.0247

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
- Inertion loss not exceeding 0.2 dB max.



Product configuration	
Main path connectors	Port 1: unprotected, N plug (male) Port 2: protected, N jack (female)
Mounting and grounding	MH50 (bulkhead mounting), M8 (screw)
Side of bulkhead	protected side
EMP can be install reversed	YES
Interface and material data	
Housing material / plating	Brass / SUCOPLATE (R) Plating Port 1: Brass / Gold Plating (without Nickel underplating)
Center contact, material / plating	Port 2: Copper Beryllium Alloy / Gold Plating (without Nickel underplating)
Electrical data	
Impedance	50 Ω
Frequency frame	2400 MHz to 3600 MHz
Return loss typical	20 dB
Insertion loss typical	0.15 dB
CW power frame	800 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
3400.17.0247

Mechanical data	
Weight	290 g
Mating cycles	500

Environmental data	
Operation temperature	-46 °C ... 85 °C
Storage temperature	-46 °C ... 85 °C
Ingress protection (IP Rating)	IP67
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
22659820	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
22659820	3400.17.0247

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-P2072 / Date of publication: 28.02.2025 / uncontrolled copy