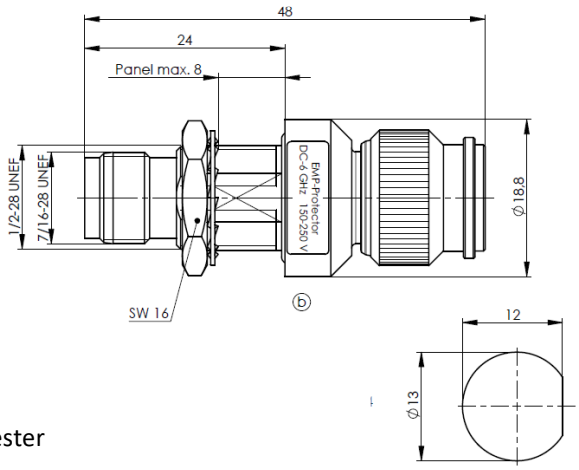
GNSS-ALA

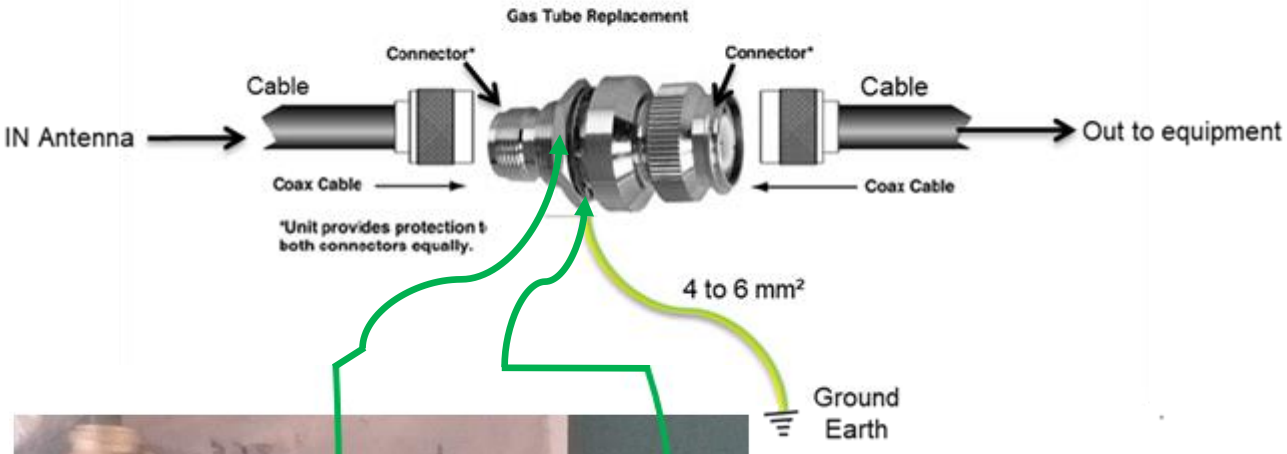
Lightning arrester

Description & Installation

- Protection of GNSS receivers from lightning discharges and field-induced current surges.
- Hybrid, multistage, multi-strike, fast response, high current capacity, ±6 Vdc pass coaxial lightning protector Mount Type: Flange or Bulk Mount
- Standards : CE Compliant, RoHS Compliant
- Line Voltage : ±6 Vdc
- Frequency Range: 600 MHz to 3 GHz
- Antenna Side Connector: TNC Female
- Receptor Side Connector: TNC Male
- Turn On Voltage: ±6.5 Vdc
- VSWR: ≤1.1:3 Over Frequency Range
- Insertion Loss: ≤0.4 dB Over Frequency Range



Plug the washers with the nut and the lug on the lightning arrester
Ground Cable is not supplied. Provide one from 4 to 6mm²
Connect the ground cable to the lug of the lightning arrester
Connect the other side of the ground cable to the earth piles
Connect the IN & OUT Antenna cables



DELIVERED MATERIAL:

- Lightning arrester: to be inserted on the antenna cable with the best earth connection

- Washer with nuts: to be inserted on the surge arrester

- Lug: to be inserted on the Lightning arrester and to carry out the wiring with the cable which will be connected to the Earth

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SPECIFICATIONS

Mechanical characteristics	**Mechanische Eigenschaften**		
interface dimensions acc. to	Steckgesicht nach	IEC 60169-17	
Components	***Bauteile***	***Materials / Material***	***Finish / Oberfläche*** ⓐ
centre contact	Innenkontakt	copper alloy / Kupferleg.	Ni-P el 4 Au-Co 0,1 (Tribor)
outer contact	Außenkontakt	brass / Messing	CuSnZn3
other metal parts	sonstige Metallteile	copper alloy / Kupferleg.	CuSnZn3
crimp ferrule	Crimprohr	brass / Messing	CuSnZn3
insulator	Isolierung	PTFE	
gasket	Dichtung	MVQ, NBR	
Electrical characteristics	**Elektrische Eigenschaften**		
impedance	Wellenwiderstand	50 Ω	
frequency	Frequenz	DC...6 GHz	
return loss	Rückflussdämpfung	≥ 20 dB	
breakdown voltage	Zündspannung	150...250 V DC (100 V/s)	
impulse discharge current	Stromableitvermögen	8/20 µs, 5 kA 10 times / 10 mal	
		8/20 µs, 10 kA 1 time / 1 mal	
max. power	max. Leistung	25 W	
residual pulse energy	Restimpulsenergie	typ. 400 µJ (4kV, 1.2/50 µs; 2kV, 8/20 µs)	
Environmental	**Umgebung**		
operating temp.	Betriebstemperatur	-40°C / +85°C	
protection class	Schutzklasse	IP 67 (IEC 60529)