

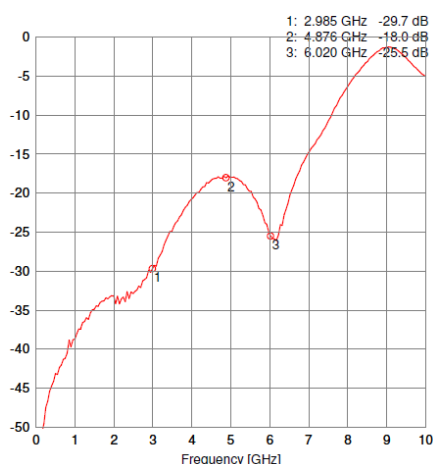
SurgeShield Connector SSC_N150

- Frequency range DC to 6 GHz
- Configuration: N female/female & N male/female
- 30 W CW power rating
- Maximum discharge current 20 kA
- O-ring sealed to pannel
- Easy to install

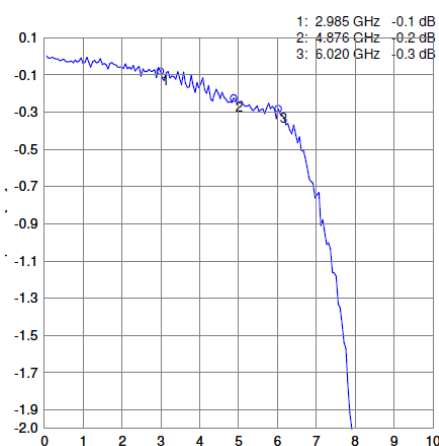


These **SurgeShield Connectors (SSC)** are gas discharged tube (GDT) surge protective devices designed to protect information and communication systems from surge voltage caused by lightning. The SSC are supplied with a fix installed and non replaceable GDT of 150 V static spark-over voltage. The environmental specification of IP68 makes it useable for any outdoor application.

Typical return loss



Typical insertion loss



Technical Data

Electrical

Impedance:	50 Ohm
Frequency Range:	DC to 6 GHz
Return Loss:	typ. 26 dB (0 to 3 GHz) typ. 20 dB (3 to 4 GHz) typ. 17 dB (4 to 6 GHz)
Insertion Loss:	typ. 0.2 dB (0 to 3 GHz) typ. 0.3 dB (3 to 4 GHz) typ. 0.4 dB (4 to 6 GHz)
RF power:	≤ 30 W CW at 25°C
Continuous operating voltage U_c max.:	110 V (DC)
Nom. discharge current I_n :	20 kA (8/20μs) single 10 kA (8/20μs) multiple
Residual energy at 4 kV (1.2/50μs); 2kA (8/20μs):	typ. 750μJ

Mechanical

Connectors:	N
Temperature Range:	-40°C to 85°C
Ingress protection level:	IP68 (in coupled state)
Weight:	90 g

Material

Housing:	Brass, tri-metal plated
Centre contact:	Brass / bronze, silver plated

Earthing

through-hole Ø 16.2 mm
on a metallic plate or via
cable lug and ground wire

SurgeShield Connector

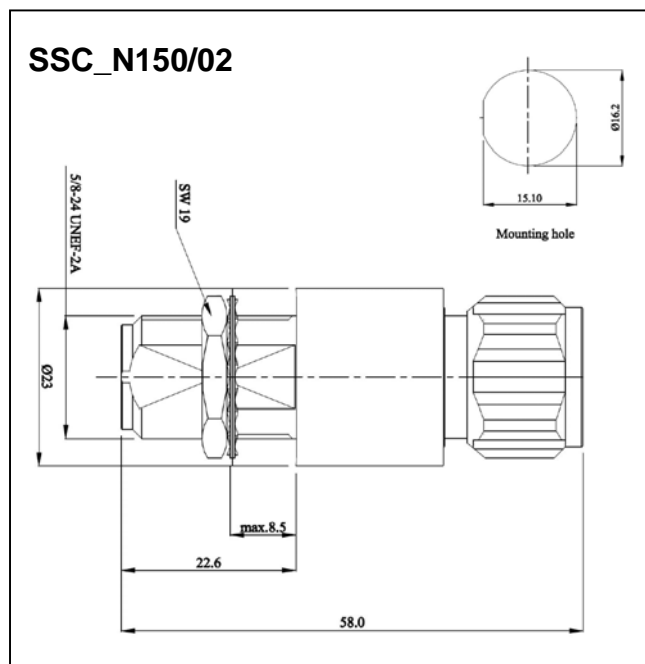
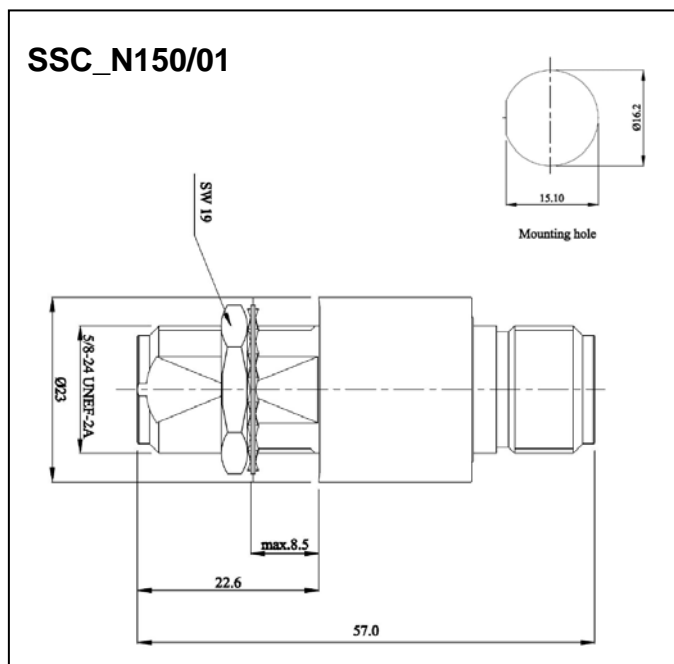
SSC_N150

The **SSC_N150** are available in two interface configurations. The gas discharge tube is non replaceable.

Type	Description	Item Nr.
SSC_N150/01	<ul style="list-style-type: none"> SurgeShield Connector with non replaceable GDT Interface: N type (female / female) 	84087613
SSC_N150/02	<ul style="list-style-type: none"> SurgeShield Connector with non replaceable GDT Interface: N type (male / female) 	84087612

Note:

- SSC_N150 are an alternative to the Slim line 3406 lightning protectors with fix installed GDT's. These SSC_N150 products feature higher current handling capability with reduced RL between 4 GHz - 6 GHz.
- For mounting purpose we offer the aluminium L- bracket type: 9075.99.0105 (item: 84071752)



Related documents

Installation Instruction SSC_N150/xx DOC-0000321613

WAIVER: It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical contained specifications and/or the fitness for any particular purpose. The facts and figures herein are carefully compiled to the best on our knowledge, but they are intended for general information purpose only.