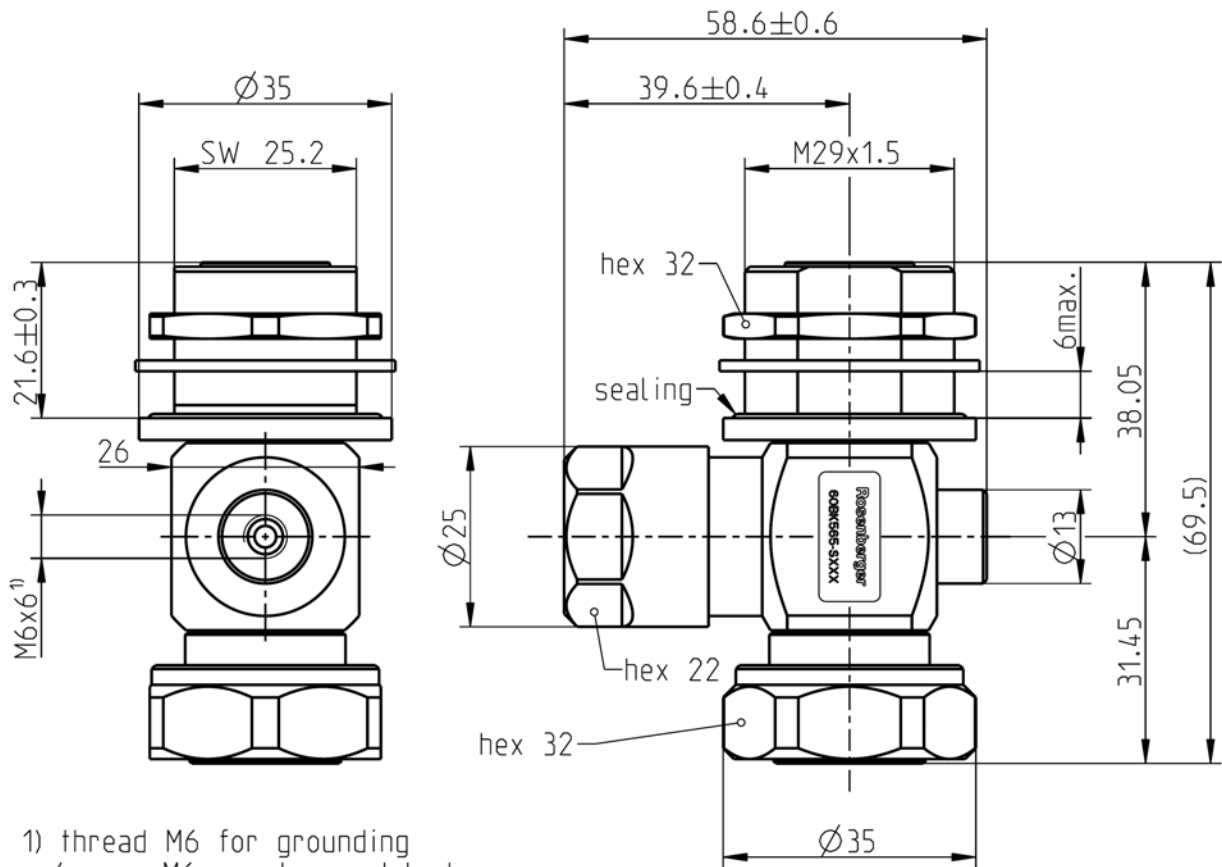


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Surge Arrester  
Jack - Plug

**60BK565-SXXXN1**



1) thread M6 for grounding  
(screw M6, washer and lock washer not plotted)

All dimensions are in mm; tolerances according to ISO 2768 m-H

Order No	Nom. DC spark over voltage	Residual voltage (20kA 8/20 $\mu$ s)	Residual voltage (4kV 1.2/50 $\mu$ s, 2kA 8/20 $\mu$ s)	Residual energy (4kV 1.2/50 $\mu$ s, 2kA 8/20 $\mu$ s)	Power handling (20 °C, sea level, VSWR 1.0)	Gas capsule
60BK565-S090N1	90 V	$\leq 650$ V	$\leq 650$ V	$\leq 1,2$ mJ	Tbd. W	53ZB01-090
60BK565-S230N1	230 V	Tbd	Tbd	Tbd	Tbd. W	53ZB01-230
60BK565-S350N1	350 V	Tbd	Tbd	Tbd	Tbd. W	53ZB01-350

**Interface**

According to

IEC 61169-4, EN 122190, DIN 47223

**Documents**

Panel piercing (or PCB layout) (optional)

B 75

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RF\_35/05.10/6.0

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Surge Arrester  
Jack - Plug

**60BK565-SXXXN1**

**Material and plating**

**Connector parts**

Center contact jack side  
Center contact plug side  
Outer contact  
Body  
Dielectric  
Gasket

**Material**

Spring bronze  
Brass  
Brass  
Brass  
PTFE  
Silicone

**Plating**

Silver, 3-6 µm  
Silver, 3-6 µm  
White bronze(e.g. Optalloy®)  
White bronze(e.g. Optalloy®)

**Electrical data**

Impedance 50 Ω  
Frequency 698 to 2700 GHz  
Return loss ≥ 21 dB @ 698 to 800 MHz  
≥ 26 dB @ 800 to 960 MHz  
≥ 21 dB @ 960 to 1700 MHz  
≥ 26 dB @ 1700 to 2200 MHz  
≥ 24 dB @ 2200 to 2500 MHz  
≥ 21 dB @ 2500 to 2700 MHz  
Insertion loss ≤ 0.1 dB  
Insulation resistance ≥ 10 GΩ  
Center contact resistance ≤ 0.4 mΩ  
Outer contact resistance ≤ 1.5 mΩ  
Intermodulation (3<sup>rd</sup> order) (optional) ≥ 160 dBc (2 x 43 dBm)

**Mechanical data**

Mating cycles ≥ 500  
Coupling nut retention ≥ 1000 N  
Center contact captivation: axial ≥ 200 N  
radial ≥ 2 Ncm  
Coupling torque (recommended) 25 to 30 Nm  
Proof torque ≤ 35 Nm

**Environmental data**

Temperature range -45 °C to +85 °C  
Rapid change of temperature DIN EN 122190, Sub-clause 4.6.7  
Corrosion resistance DIN EN 122190, Sub-clause 4.6.10  
Vibration DIN EN 122190, Sub-clause 4.6.3  
Climatic category DIN EN 122190, Sub-clause 4.6.5 (55/155/56)  
Damp heat DIN EN 122190, Sub-clause 4.6.6  
Degree of protection IEC 60529, IP68 2.5 bar  
RoHS compliant

**Weight**

Weight 322.4 g/pce

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
R.Fang	16/03/11	Sa. Krautenbacher	20.03.14	500	14-0352	T. Krojer	20.03.14
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany <a href="http://www.rosenberger.de">www.rosenberger.de</a>					Tel. : +49 8684 18-0 Fax : +49 8684 18-499 Email : <a href="mailto:info@rosenberger.de">info@rosenberger.de</a>		Page 2 / 2