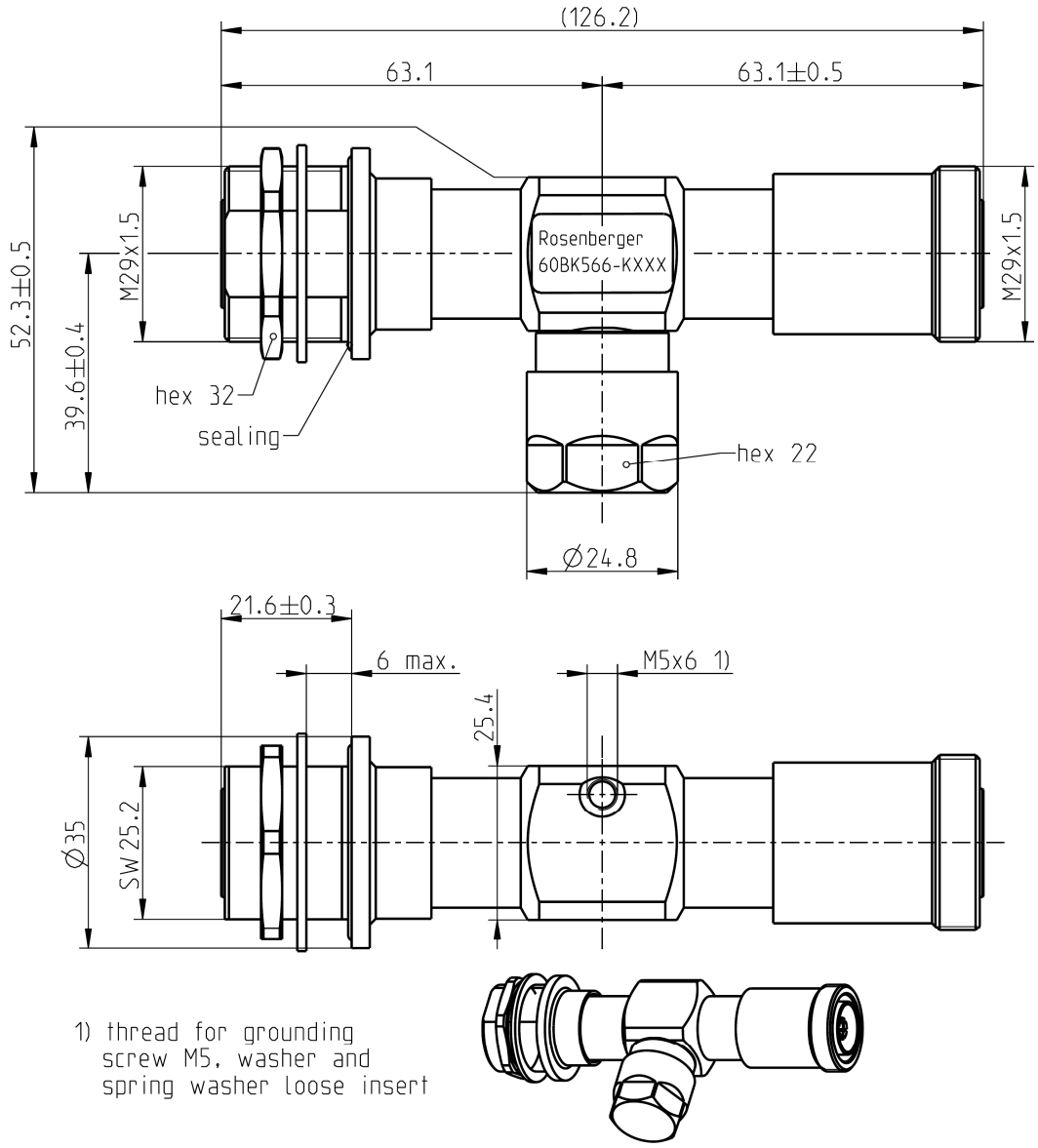
Technical Data Sheet	Rosenberger
7/16 SURGE ARRESTER BULKHEAD JACK - JACK	**60BK566-KXXXN1**



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

Order No	Nom. DC spark over voltage	Residual voltage (20kA 8/20 µs)	Residual voltage (4kV 1.2/50µs, 2kA 8/20 µs)	Residual energy (4kV 1.2/50µs, 2kA 8/20 µs)	Power handling (20 °C, sea level, VSWR 1.0)	Gas capsule
60BK566-K090N1	90 V	≤ 650 V	≤ 650 V	≤ 1 mJ	1000 W	53ZB01-090
60BK566-K230N1	230 V	≤ 900 V	≤ 700 V	≤ 1.6 mJ	5000 W	53ZB01-230
60BK566-K350N1	350 V	≤ 1000 V	≤ 900 V	≤ 2 mJ	10000 W	53ZB01-350

Interface

According to: IEC 61169-4, EN 122190, DIN 47223

Documents

Panel piercing: B 75
Assembly instruction: 53_MV-A001

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de
Tel.: +49 8684 18-0
email: info@rosenberger.de

Material and plating

Connector parts	Material	Plating
Center contact female side	Spring bronze	Silver, 3-6 µm
Outer contact	Brass	Flash white bronze over silver(e.g. Optargen®)
Body	Brass	Flash white bronze over silver(e.g. Optargen®)
Dielectric	PTFE	
Gasket	Silicone	

Electrical data

Impedance	50 Ω
Operating frequency	1.7 MHz – 12 MHz, 698 to 2700 MHz
Return Loss	≥ 14 dB, 1.7 to 12 MHz
	≥ 26 dB, 698 to 2700 MHz
Insertion Loss	≤ 1.0 dB, 1.7 to 12 MHz
	≤ 0.1 dB, 698 to 2700 MHz
Center contact resistance	< 0.4 mΩ
Outer contact resistance	< 1.5 mΩ
RF-leakage	< -128 dB @ 1 GHz
Intermodulation **(3rd Order)**	< -115 dBm @ 2 x 20 W
DC pass	20A @ 50V (90V gas capsule)
AISG	pass
Nominal impulse discharge current	10 x 20 kA (8/20 µs)
	1 x 30 kA (8/20 µs)

Mechanical data

Mating cycles	min. 500
Center contact captivation: axial	≥ 200 N
radial	≥ 2 Ncm
Coupling torque (recommended)	25 to 30 Nm
Proof torque	max. 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 (45/85/56)
Damp heat	DIN EN 122190 , Sub-clause 4.6.6
Degree of protection (mated pair)	IEC 60529, IP68 2.5 bar, mated condition
RoHS	compliant

Weight

Weight	452 g/pce