



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

**Interface**

According to CECC 22 240

**Documents**

Assembly instruction 88 02  
Panel piercing B 27

**Material and plating**

**Connector parts**

	<b>Material</b>	<b>Plating</b>
Center contact	Beryllium copper	Gold, min. 0.15 µm, over chemical nickel
Outer contact	Brass	Gold, min. 0.15 µm, over chemical nickel
Body	Brass	Gold, min. 0.15 µm, over chemical nickel
Dielectric	PTFE	
Dielectric	LCP	
Crimping ferrule	Copper	Nickel, 2.5-5 µm

**Electrical data**

Impedance	75 Ω
Frequency	DC to 12 GHz
Return loss	≥ 33 dB, DC to 1 GHz ≥ 26 dB, 1 to 2 GHz ≥ 20 dB, 2 to 4 GHz ≥ 18 dB, 4 to 12 GHz
Insertion loss	≤ 0.1 dB
Insulation resistance	≥ 10x10 <sup>3</sup> MΩ
Center contact resistance	≤ 4 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage	1000 V rms
Working voltage	330 V rms
RF-leakage	≥ 90 dB up to 1 GHz (slide-on) ≥ 100 dB up to 1 GHz (screw version)

- Limitations are possible due to the used cable type -

**Mechanical data**

Mating cycles	≥ 500
Engaging and disengaging force	2.2 N to 12 N (screw-on, slide-on) 18 N to 50 N (quick-lock)
Center contact captivation	≥ 30 N
Torque nut for panel mounting	≤ 1 Nm
Coupling mechanism retention force	≥ 300 N (screw version, quick-lock)

**Environmental data**

Temperature range	-40°C to +85°C	
Climatic class	IEC 60068-2-1 40/85/21 IEC 60068-2-2 IEC 60068-2-3	
Vibration 2002/95/EC (RoHS)	IEC 60068-2-6	10 Hz to 2000 Hz, 100m/s <sup>2</sup>

**Tooling**

Crimping tool	11W150-000
Crimp insert	11W150-504

**Suitable cables**

TZC 75025

**Packing**

Standard	1 pce in bag
Weight	6.9 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
Rong Fang	19/07/06	Rong Fang	30/10/06	a00	06-s475	Krautenbacher J.	30/10/06
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