



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

Interface

According to CECC 22 240

Documents

Assembly instruction 88 P
Panel piercing B 27

Material and plating

Connector parts

	Material	Plating
Center contact	Beryllium copper	AuroDur®, gold plated
Outer contact	Brass	AuroDur®, gold plated
Body	Brass	Nickel, 2.5-5 µm
Dielectric	LCP	
Crimping ferrule	Copper	Nickel, 2.5-5 µm

Electrical data

Impedance	75 Ω
Frequency	DC to 12 GHz
Return loss	≥ 35 dB, DC to 1 GHz ≥ 30 dB, 1 to 2 GHz ≥ 20 dB, 2 to 4 GHz ≥ 15 dB, 4 to 8 GHz
Insertion loss	≤ 0.1 dB, DC to 8 GHz
Insulation resistance	≥ 10x10 ³ 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	IEC 60068-2-6	10 Hz to 2000 Hz, 100m/s ²
RoHS	compliant	

Tooling

Crimping tool	11W150-000
Crimp insert	11W150-150

Suitable cables

02YS(St)CY 0.45/2.0, 02YS(St)CH 0.45/2.0

Weight

Weight	11.9 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	11/04/05	Sa. Krautenbacher	24.03.14	e00	14-0352	T. Krojer	24.03.14
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de					Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: info@rosenberger.de		Page 2 / 2

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Rosenberger:](#)

[88K203-3V2L5](#)