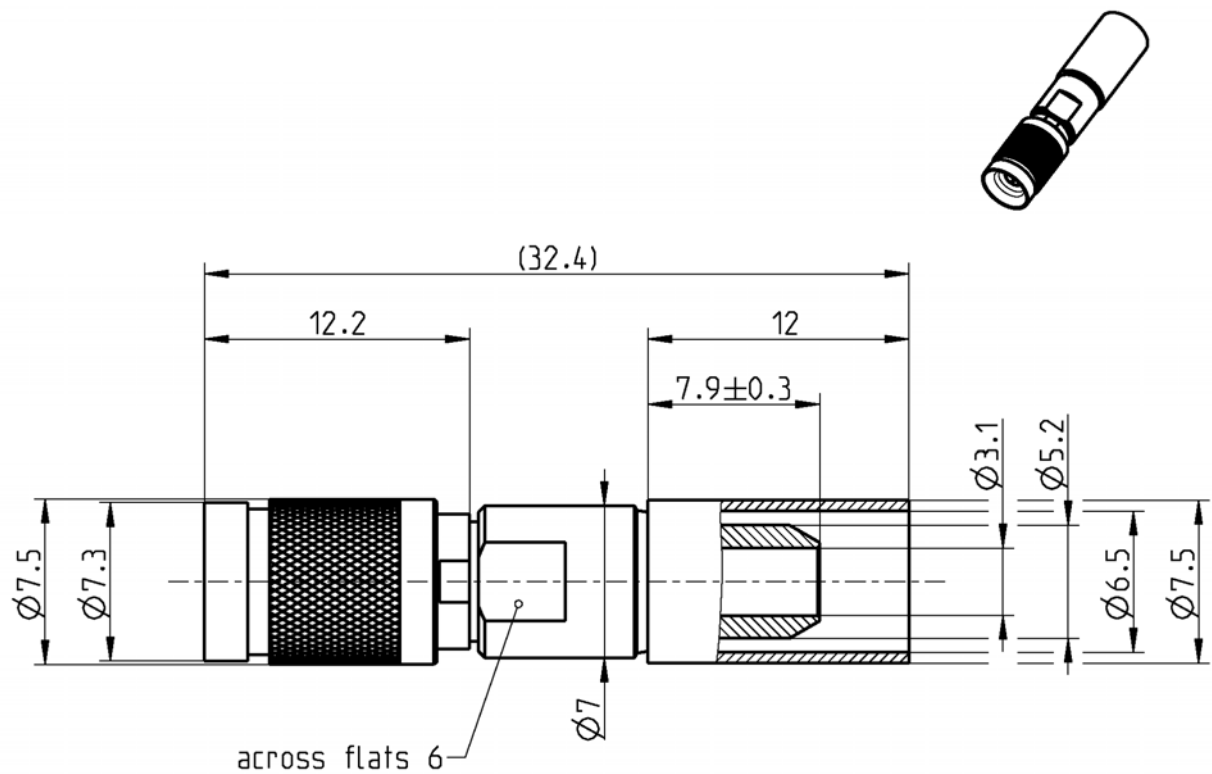




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

CECC 22 230, DIN 47297

Documents

Assembly instruction

34 A7

Material and plating

Connector parts

Center contact
Outer contact
Body
Dielectric
Centering sleeve
Crimping ferrule

Material

Beryllium copper
Beryllium copper
Brass
PTFE
Brass
Copper

Plating

Gold, min. 1.27 µm, over nickel
Gold, min. 1.27 µm, over nickel
Nickel, 2.5-5 µm
Nickel, 2.5-5 µm
Nickel, 2.5-5 µm

TECHNICAL DATA SHEET

Rosenberger®

1.0/2.3 STRAIGHT PLUG
(75Ω) QUICK-LOCK

734S160-148H3

Electrical data

Impedance	75 Ω
Frequency	DC to 2 GHz
Return loss	≥ 20 dB, DC to 2 GHz
Insertion loss	≤ 0.05 x √f(GHz) dB
Insulation resistance	≥ 2x10 ³ MΩ
Center contact resistance	≤ 4 mΩ
Outer contact resistance	≤ 2.5 mΩ
Test voltage	750 V rms
Working voltage	250 V rms
RF-leakage	≥ 90 dB up to 1 GHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	≥ 500
Center contact captivation	≥ 10 N
Engaging and disengaging force	0.9 N to 10 N
Coupling mechanism retention force	≥ 200 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

Tooling

Crimping tool	11W150-000
Crimp insert	11W150-509

Suitable cables

TZC 75005, 2YC(ms)CY 0.5/3.0

Packing

Standard	1 pce in bag (S0001S), 100 pcs in bag (B0100S)
Weight	6.5 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
Inge Mühlauer	21/09/04	Rong Fang	16/11/05	b00	05-0567	Inge Mühlauer	16/11/05

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