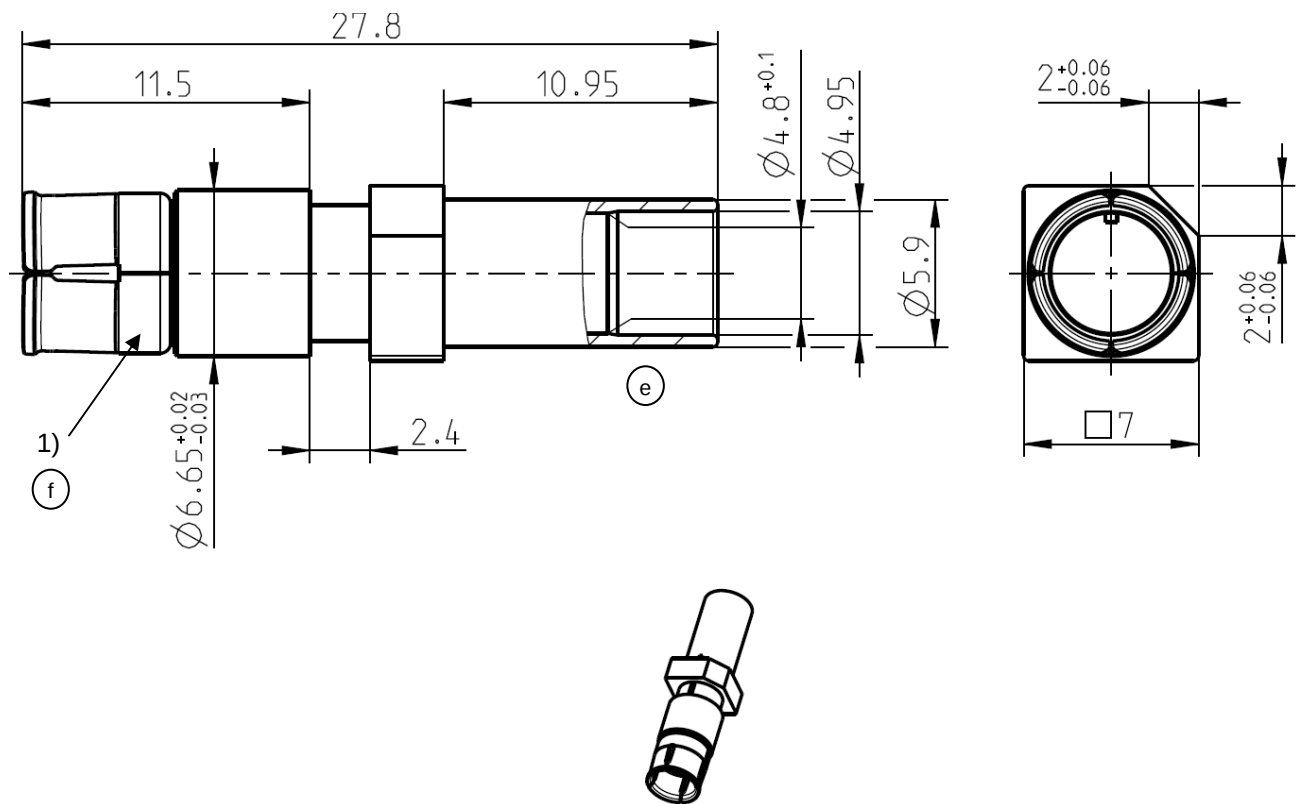




(f)

1) mark "RT" is on contact sleeve

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

Interface

According to RN 059-01

Documents

Assembly instruction D4V007
Pinning instruction RN 053-01
Test specification RN 061-01

Material and plating

Connector parts

Outer contact
Contact sleeve

Material

Brass
Spring bronze

Plating

Nickel, 3-6 µm
Nickel, 3-6 µm

(f)

Electrical data

Impedance, differential mode	100 Ω differential signalling, for one pair or quad cable shielded
Frequency	DC to 2.0 GHz
Return loss	≥ 20 dB to 1.0 GHz ≥ 17 dB to 2.0 GHz
Insertion loss	≤ 0.1 dB @ 1.0 GHz
Skew (between signal contacts)	≤ 5 psec.
Nearend-Crosstalk	≤ 30 dB
Far-end-Crosstalk	≤ 35 dB
Insulation resistance	≥ 1x10 ³ MΩ
Signal contact resistance	≤ 10 mΩ
Outer contact resistance	≤ 7.5 mΩ
Test voltage	250 V rms
Working voltage	100 V rms
Power current	≤ 1.5 A DC
RF-leakage (shielding effectiveness)	≥ 75 dB up to 1 GHz (IEC 62153-4-7) ≥ 65 dB up to 2 GHz (IEC 62153-4-7)

Mechanical data

Mating cycles	≥ 25
Engagement force	≤ 30 N
Disengagement force	≥ 5 N
Retention force latch	≥ 110 N
Retention force primary lock	≥ 80 N
Coding efficiency	≥ 80 N

Environmental data

Temperature range	-40°C to +105°C
Thermal shock	DIN IEC 60068-2-14 Test NA
Temperature and humidity	USCar 2 – 4 5.6.2
Vibration (Random)	DIN IEC 60068-2-64
Mechanical Shock	DIN IEC 60068-2-27
High-Temp. Exposure	DIN IEC 60068-2-2
RoHS	compliant e

Tooling

Crimping tool	on request
Crimp insert	on request

RF_35/05.10/6.0
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Technical Data Sheet				Rosenberger																																							
Rosenberger HSD®		STRAIGHT JACK		D4K10A-1D5/96A																																							
Suitable cables Cable typeDacar 535 Packing Standard500 pcs in box / 3.000 pcs in reusable container Weight2.84 g/pce Change History <table><thead><tr><th>Rev.</th><th>Date</th><th>Change</th></tr></thead><tbody><tr><td>e00</td><td>18.11.13</td><td>Environmental data: -specification changed from "2002/95/EC (RoHS)" to "RoHS" -soldering profile to remove Packing: -changed from 3.000 pcs in box to 500 pcs in box / 3.000 pcs in reusable container drawing: -changed chamber-bevel of the cable-entry</td></tr><tr><td>f00</td><td>29.01.15</td><td>- add remark: 1) mark "RT" is on contact sleeve - plating changed from Nickel, 2,5-5 µm to Nickel, 3-6 µm</td></tr><tr><td></td><td></td><td></td></tr></tbody></table> 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. <table><thead><tr><th>Draft</th><th>Date</th><th>Approved</th><th>Date</th><th>Rev.</th><th>Engineering change number</th><th>Name</th><th>Date</th></tr></thead><tbody><tr><td>M. Zebhauser</td><td>04.12.06</td><td>J. Schröck</td><td>03.02.15</td><td>f00</td><td>15-0104</td><td>S. Strom</td><td>03.02.15</td></tr></tbody></table> <table><tr><td colspan="4">Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de</td><td colspan="2">Tel. : +49 8684 18-0 Fax : +49 8684 18-499 Email : info@rosenberger.de</td><td colspan="2">Page 3 / 3</td></tr></table>								Rev.	Date	Change	e00	18.11.13	Environmental data: -specification changed from "2002/95/EC (RoHS)" to "RoHS" -soldering profile to remove Packing: -changed from 3.000 pcs in box to 500 pcs in box / 3.000 pcs in reusable container drawing: -changed chamber-bevel of the cable-entry	f00	29.01.15	- add remark: 1) mark "RT" is on contact sleeve - plating changed from Nickel, 2,5-5 µm to Nickel, 3-6 µm				Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date	M. Zebhauser	04.12.06	J. Schröck	03.02.15	f00	15-0104	S. Strom	03.02.15	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 3 / 3	
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