

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

Interface

According to RN 059-01

Documents

Pinning instruction RN 053-01
Test Specification RN 061-01

Preliminary

Material and plating

Connector parts

Center contact
Outer contact
Contact sleeve
Dielectric
Housing
Secondary lock

Material

Beryllium copper
Brass
Spring bronze
PA 12
PBT
PBT

Plating

Gold, min. 0.15 µm, over chemical nickel
Nickel, 2.5-5 µm
Nickel, 2.5-5 µm

Electrical data

Impedance, differential mode	100 Ω differential signalling, for one pair or quad cable shielded
Frequency	DC to 6.0 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
Farend-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

Preliminary

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

Packing

Standard	1 pce in box
Weight	8.40 g/pce

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RF_35/05:10/6.0

Technical Data Sheet**Rosenberger**

RosenbergerHSD®

HSD-adapter
female-female**D4K10A-K00A5-Y****Coding**

Part Number has to be accomplished by codification

Coding	Jack	Colour	RAL	Part-Number
Z		waterblue	sim. 5021	D4K10A-K00A5-Z
		traffic purple	sim. 4006	secondary lock

Preliminary

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
M. Volkmar	19/07/13	T. Trenz	09/08/13	100	13-v371	M. Volkmar	09/08/13

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