

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

**Interface**

According to RN 059-02

**Documents**

Assembly instruction tbd

**Material and plating**

**Connector parts**

- Center contact
- Outer contact
- Contact sleeve
- Dielectric
- Crimping ferrule
- Housing

**Material**

- Spring bronze
- Brass
- Spring bronze
- PA 12-GF30
- Spring bronze
- PBT-GB20

**Plating**

- Contact=Gold min. 0.15µm; Crimp=Sn min. 1µm
- Nickel, 3-6 µm
- Nickel, 3-6 µm
- Tin, 1.5-3 µm

**Preliminary**

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RF\_35/09.14/6.2

**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
Farend-Crosstalk	≤ 35 dB
Insulation resistance	≥ 1x10 <sup>3</sup> 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)

- Limitations are possible due to the used cable type -

**Mechanical data**

Mating cycles	≥ 25
Engagement force	≤ TBD
Disengagement force	≥ TBD
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

**Tooling**

Crimping tool	on request
Crimp insert	on request

**Suitable cables**

Dacar 535

# Technical Data Sheet

# Rosenberger

Rosenberger  
HSD®

STRAIGHT JACK

D4K10C-1D5A5-Y



## Packing

Standard  
Weight

TBD pcs in box  
tbd g/pce

## Coding

Part Number has to be accomplished by codification

Coding	Jack	Colour	RAL	Part-Number
A		black	sim. 9005	D4K10C-1D5A5-A
C		blue	sim. 5005	D4K10C -1D5A5-C
D		bordeaux	sim. 4004	D4K10C -1D5A5-D

# 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
J.Schröck	19.01.16	J. Schröck	20.01.16	100	15-v663	M. Kolbe	20.01.16

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