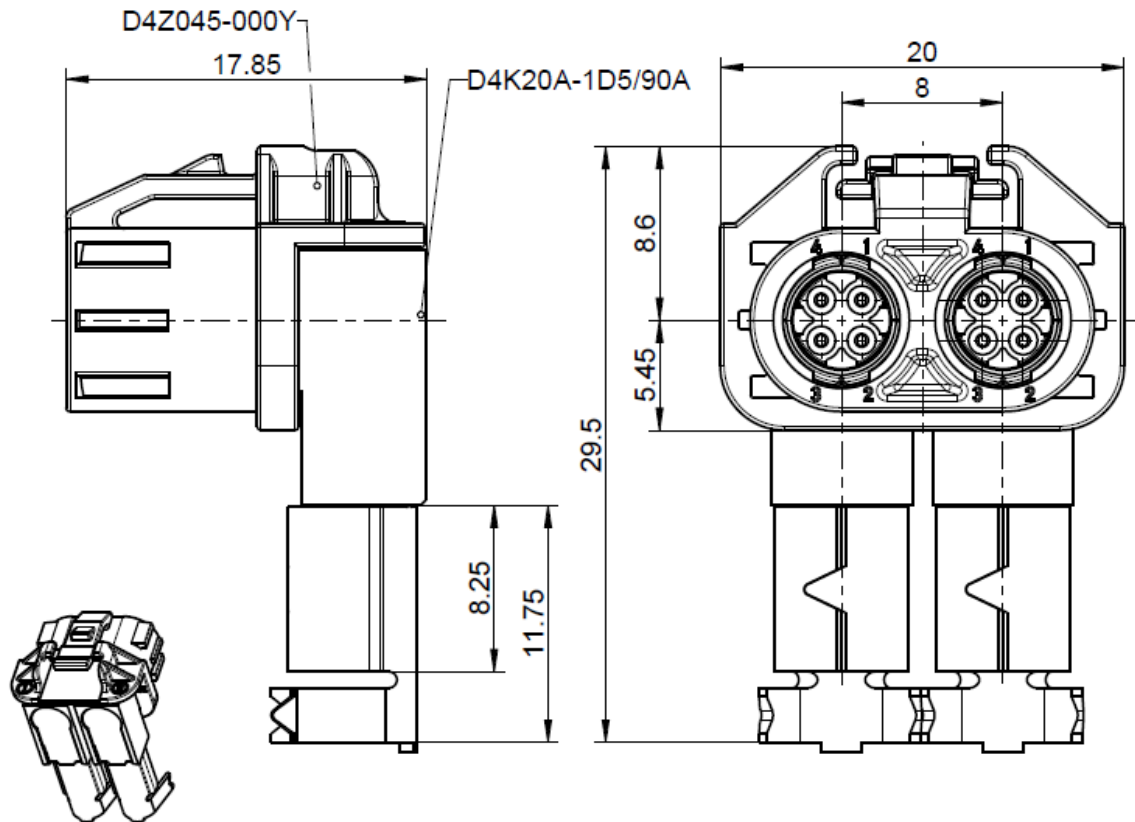




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

RN 059-2

Documents

Assembly instruction
Pinning instruction
Test Specification

MA_D4V009
RN 053-01
RN 061-01

Preliminary

Material and plating

Connector parts

Center contact
Outer contact
Contact sleeve
Dielectric
Crimping ferrule
Housing

Material

Spring bronze
Brass
Spring bronze
PA 12
Spring bronze
PBT

Plating

Gold, min. 0.15 μm , over chemical nickel
Nickel, 2.5-5 μm
Nickel, 2.5-5 μm
Tin, 0.5-2 μm

Technical Data Sheet		Rosenberger
HSD	TWIN RIGHT ANGLE JACK	D4K20C-1D5A5-Y
Electrical data Impedance, differential mode Frequency Return loss Insertion loss Skew (between signal contacts) Nearend-Crosstalk Farend-Crosstalk Insulation resistance Signal contact resistance Outer contact resistance Test voltage Working voltage Power current RF-leakage (shielding effectiveness) 100 Ω differential signalling, for one pair or quad cable shielded DC to 2.0 GHz ≥ 20 dB to 1.0 GHz ≥ 17 dB to 2.0 GHz ≤ 0.1 dB @ 1.0 GHz ≤ 5 psec. ≤ 30 dB ≤ 35 dB $\geq 1 \times 10^3$ MΩ ≤ 10 mΩ ≤ 7.5 mΩ 250 V rms 100 V rms ≤ 1.5 A DC ≥ 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 Engagement force Disengagement force Retention force latch Retention force primary lock Coding efficiency ≥ 25 $\leq$ TBD $\geq$ TBD ≥ 110 N ≥ 80 N ≥ 80 N		
Environmental data Temperature range Thermal shock Temperature and humidity Vibration (Random) Mechanical Shock High-Temp. Exposure Soldering profile 2002/95/EC (RoHS) -40°C to +105°C DIN IEC 60068-2-14 Test NA USCar 2 – 4 5.6.2 DIN IEC 60068-2-64 DIN IEC 60068-2-27 DIN IEC 60068-2-2 acc. to IEC 60068-2-58; Group 3 & 4 compliant		
Tooling Crimping tool Crimp insert on request on request		
Suitable cables Dacar 535		
Packing Standard Weight TBD pcs in box 12,3 g/pce		
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de		Tel. : +49 8684 18-0 Email : info@rosenberger.de
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Preliminary

Technical Data Sheet

Rosenberger

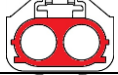
HSD

TWIN RIGHT ANGLE JACK

D4K20C-1D5A5-Y

Coding

Part Number has to be accomplished by codification

Coding	Jack	Colour	RAL	Part-Number
A		black	sim. 9005	D4K20C-1D5A5-A
B		white	sim. 9001	D4K20C -1D5A5-B
C		blue	sim. 5005	D4K20C -1D5A5-C
D		bordeaux	sim. 4004	D4K20C -1D5A5-D
Z		waterblue	sim. 5021	D4K20C -1D5A5-Z

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
C. Schmidt	12/07/11	J. Maier	03.06.16	200	16-0870	A. Böhm	03.06.16

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