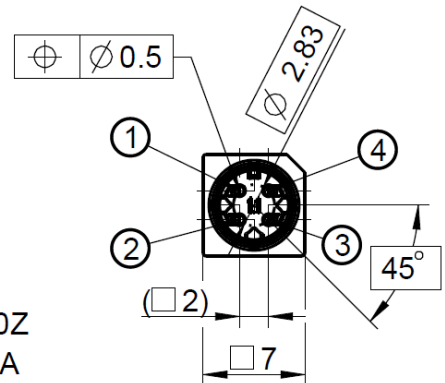
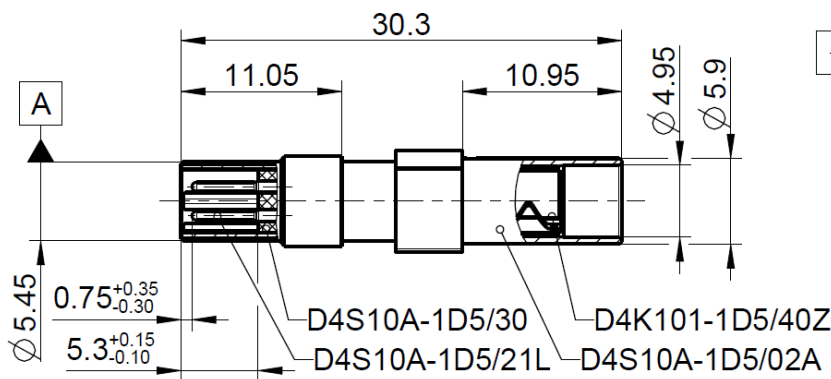
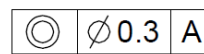


○ = PINNING



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

Interface

According to RN 059-01

Documents

Assembly instruction MA_D4V008
 Pinning instruction RN 053-01
 Test specification RN 061-01

Material and plating

Connector parts

- Center contact
- Outer contact
- Dielectric
- Crimping ferrule
- Housing
- Secondary lock

Material

- Spring bronze
- Brass
- PA12-GF30 (e)
- Spring bronze (e)
- POM
- PBT

Plating

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

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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 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 (d)

Tooling

Crimping tool	on request
Crimp insert	on request

Suitable cables

Cable type	Dacar 535
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Packing

Standard	100 pcs in box (sample parts) (d)
Weight	5.44 g/pce








(d)

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RF_35/09_14/6.2

Coding

Part Number has to be accomplished by codification

Coding	Plug	Colour	RAL	Part-Number
A		black	sim. 9005	D4S10A-1D5A5-A
B		white	sim. 9001	D4S10A-1D5A5-B
C		blue	sim. 5005	D4S10A-1D5A5-C
D		bordeaux	sim. 4004	D4S10A-1D5A5-D
E		green	sim. 6002	D4S10A-1D5A5-E
F		brown	sim. 8011	D4S10A-1D5A5-F
Z		waterblue	sim. 5021	D4S10A-1D5A5-Z
		traffic purple	sim. 4006	secondary lock

Change history

Rev.	Date	Change
d00	07.12.15	Environmental data: -removed Soldering profile acc. to IEC 60068-2-58; Group 3&4 -changed 2002/95/EC (RoHS) to RoHS Packing: -changed standard packing with 7.500 pcs in box to 100 pcs in box (sample parts)
d01	11.07.16	Removed additional drawing frame on page 2
e00	27.07.17	Material and planting: - changed outer contact from Nickel, 2.5-5 µm to Nickel, 3-6 µm - Added GF10 to PBT-GF10 according to precise material specification and delivery situation

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. Zebhauser	08.12.05	J. Schröck	04.08.17	e00	17-1279	C. Ostermaier	04.08.17

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