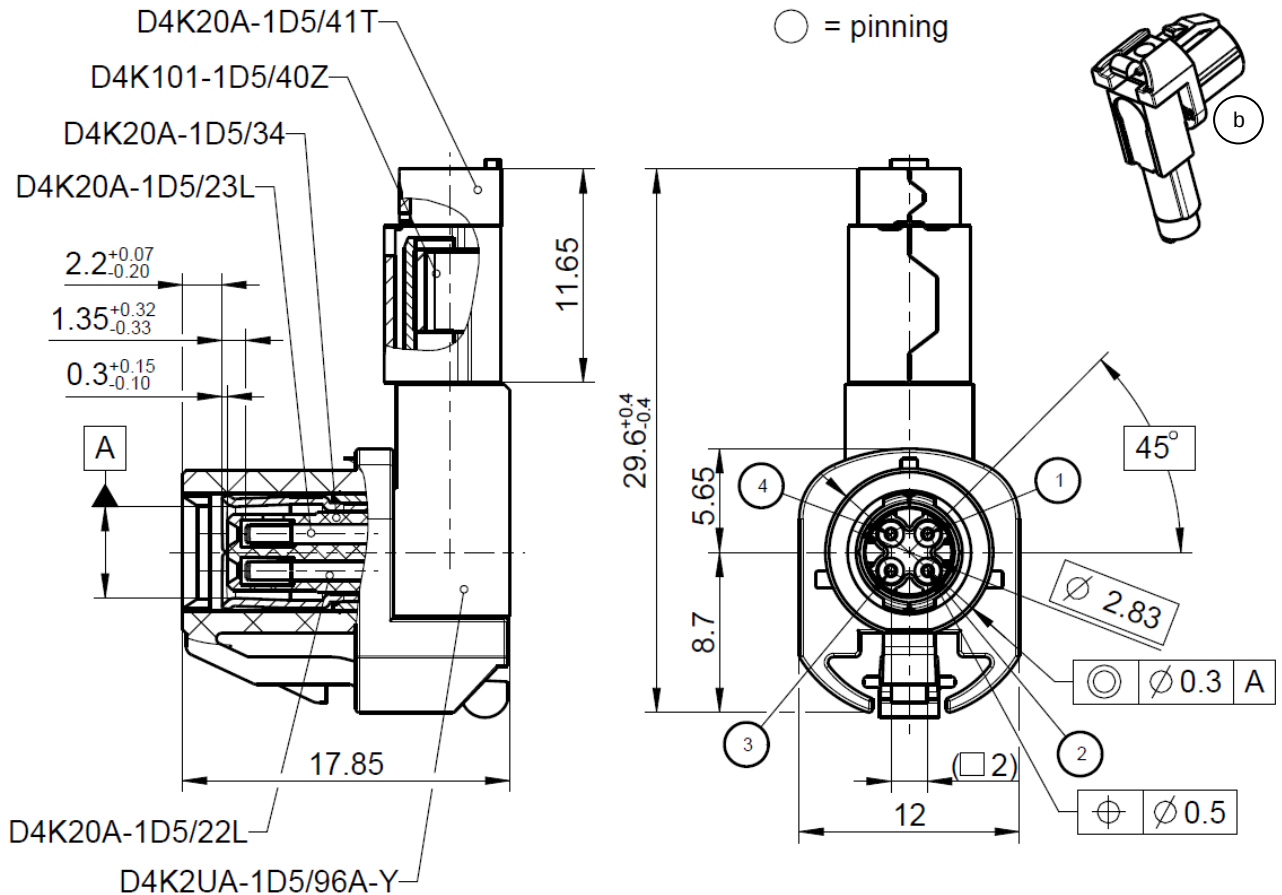




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to

RN 059-01

Documents

Assembly instruction

MA D4V037

Pinning instruction

RN 053-01

Test Specification

RN 061-01

Material and plating

Connector parts

Center contact
Outer contact
Contact sleeve
Dielectric
Crimping ferrule
Crimp cover
Housing
Insulating cap

Material

Spring bronze
Brass
Spring bronze
PA12-GF30
Spring bronze
Spring bronze
PBT-I-GB20
PP-GF30

Plating

Gold, min. 0.15 μm , over chemical nickel
Nickel, 3-6 μm
Nickel, 3-6 μm

Tin, 1.5-3 μm
Tin, 1.5-3 μm

TECHNICAL DATA SHEET

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RIGHT ANGLE JACK

D4K2UE-1D5A5-Y

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	$\geq 1 \times 10^3$ M Ω
Signal contact resistance	≤ 10 m Ω
Outer contact resistance	≤ 7.5 m Ω
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

Tooling

Crimping tool	on request
Crimp insert	on request

Suitable cables

Cable type	Dacar 535
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Packing

Standard	not packed
Weight	6.6 g/pce

TECHNICAL DATA SHEET

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RIGHT ANGLE JACK

D4K2UE-1D5A5-Y

Coding

Part Number has to be accomplished by codification

Coding	Jack	Colour	RAL	Part-Number
G		grey	sim. 7031	D4K2UE-1D5A5-G
H		violet	sim. 4003	D4K2UE-1D5A5-H
J		beige	sim. 1001	D4K2UE-1D5A5-J
K		curry	sim. 1027	D4K2UE-1D5A5-K
L		yellow green	sim. 6018	D4K2UE-1D5A5-L
M		pastel orange	sim. 2003	D4K2UE-1D5A5-M
O		light green	sim. 6027	D4K2UE-1D5A5-O

Rev.	Date	Change
b00	12.07.2018	- position of housing inscription changed.

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	01.08.14	J.Schröck	13.07.18	b00	18-0529	M.Mamou	13.07.18

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