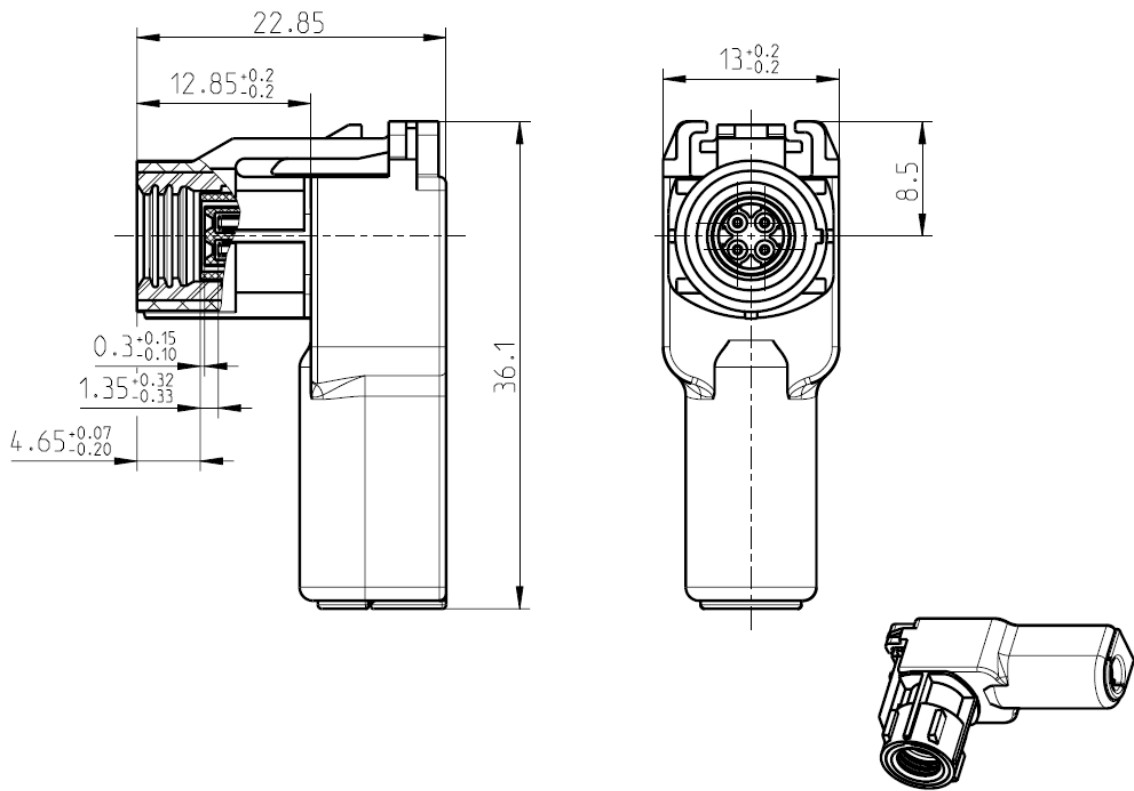




All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to RN 063-04

Documents

Assembly instruction tbd.
Pinning instruction RN 053-01
Test Specification tbd.

Material and plating

Connector parts

Center contact
Dielectric
Crimping ferrule
Housing
Sealing ring
Insert housing
Insert housing cover

Material

Spring bronze
PA 12
tbd.
PA 12
Silicone
tbd.
tbd.

Plating

Contact=Gold min. 0.15µm; Crimp=Sn min. 1µm

green

Preliminary

Electrical data

Impedance, differential mode	tbd.
Frequency	tbd.
Return loss	tbd.
Insertion loss	tbd.
Skew (between signal contacts)	tbd.
Nearend-Crosstalk	tbd.
Farend-Crosstalk	tbd.
Insulation resistance	$\geq 1 \times 10^3 \text{ M}\Omega$
Signal contact resistance	$\leq 10 \text{ m}\Omega$
Test voltage	250 V rms
Working voltage	100 V rms
Power current	$\leq 1.5 \text{ A DC}$
RF-leakage (shielding effectiveness)	tbd.

Preliminary

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	≥ 5
Engagement force	$\leq 40 \text{ N}$
Disengagement force	$\geq 5 \text{ N}$
Retention force latch	$\geq \text{tbd.}$
Coding efficiency	$\geq 80 \text{ N}$

Environmental data

Temperature range	-40°C to +130°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
Water resistant	DIN 40050 IPX6K/IPX9K
Waterproof engine compartment connector	LV 214 Test group B,C
2002/95/EC (RoHS)	compliant

Tooling

Crimping tool	on request
Crimp insert	on request

Suitable cables

Cable type	tbd.
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Packing

Standard	tbd.
Weight	tbd. g/pce

Technical Data Sheet

Rosenberger

HSD-E

RIGHT ANGLE JACK

E4K24A-1AKX5-Y

Coding

Part Number has to be accomplished by codification

Coding	Jack	Colour	RAL	Part-Number
A		black	sim. 9005	E4K24A-1AKX5-A
B		white	sim. 9001	E4K24A-1AKX5-B
C		blue	sim. 5005	E4K24A-1AKX5-C
D		bordeaux	sim. 4004	E4K24A-1AKX5-D
E		green	sim. 6002	E4K24A-1AKX5-E
F		brown	sim. 8011	E4K24A-1AKX5-F
Z		waterblue	sim. 5021	E4K24A-1AKX5-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
T. Bredbeck	13/01/12	T. Bredbeck	13/07/12	300	12-0608	M. Brixner	13/07/12

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