

All dimensions are in mm

Interface

According to RN_121-02

Documents

Assembly instruction TBD
 Test specification TBD

Material and plating

Connector parts

Inner contact	Material	Bronze
Outer contact 1 (Interface)		Bronze
Outer contact 2 (Crimp)		Steel
Dielectric		PA12 GB-30
Crimping ferrule		Steel
Housing		PBT GF-20
Secondary lock		PBT GF-20

Plating

Gold, min. 0.15 µm, over chemical nickel
 Tin, min. 0.15 µm

Preliminary

Electrical data

Impedance	100 Ω
Frequency	DC to 1 GHz
Return loss *	≥ 30 dB, DC to 1 GHz
	TBD, DC to 15 GHz
Skew	TBD
Insulation resistance	≥ 1 x10 ³ MΩ
Signal contact resistance	≤ 10 mΩ
Outer contact resistance	≤ 7.5 mΩ
Test voltage (at sea level)	250 V rms
Working voltage (at sea level)	100 V rms
Power current	≤ 1,5 A DC
RF-leakage	TBD

* Limitations are possible due to the used cable type and termination -

Mechanical data

Mating cycles	≥ 25
Engagement force	≤ 40 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
Humidity	DIN EN 60068-2-30 @ +40°C
Dry heat	DIN EN 60068-2-2 @ +105°C
Vibration	DIN IEC 60068-2-64 Class 1
Mechanical Shock	DIN IEC 60068-2-27 Class 1

Tooling

Crimping tool	TBD
Crimp insert	TBD

Suitable cables

Dacar 686-3, Dacar 666-1, GG X9305

Packing


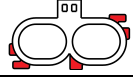












Standard	TBD
Weight	7g/pcs

Preliminary

Coding

Part Number has to be accomplished by codification

Preliminary

Coding	Jack	Colour	RAL	Part-Number
A		jet black	sim. 9005	E6K102-1CAZ5-A
B*		pure white	sim. 9010	E6K102-1CAZ5-B
C*		light blue	sim. 5012	E6K102-1CAZ5-C
D*		claret violet	sim. 4004	E6K102-1CAZ5-D
E*		may green	sim. 6017	E6K102-1CAZ5-E
F*		nut brown	sim. 8011	E6K102-1CAZ5-F
G*		platinum grey	sim. 7036	E6K102-1CAZ5-G
H*		light pink	sim. 3015	E6K102-1CAZ5-H
J*		beige	sim. 1001	E6K102-1CAZ5-J
K*		curry	sim. 1027	E6K102-1CAZ5-K
L*		yellow green	sim. 6018	E6K102-1CAZ5-L
M*		pastel orange	sim. 2003	E6K102-1CAZ5-M
O*		light green	sim. 6027	E6K102-1CAZ5-O
Z		water blue	sim. 5021	E6K102-1CAZ5-Z

* Coding on request

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. Schmid	17.07.17	J. Schmid	19.10.18	200	18-m183	C. Giwolies	19.10.18