

All dimensions are in mm

Documents

Interface	RN_121-01
Assembly instruction	MA_E6V008
Pinning	RN_143-01

Material and plating

Connector parts

Signal contact	Material Bronze	Plating / Colour Gold, min. 0.12 µm, over Nickel (Interface) Tin, min. 1 µm, over Nickel (Crimp)
Outer contact 1 (Interface)	Bronze	Tin, min. 1.5 µm
Outer contact 2 (Crimp)	Steel	Tin, min. 1.5 µm
Dielectric	PBT	nature
Crimp sleeve	Steel	-
Housing	PBT-GF30	see section "Coding"
Secondary lock	PBT-GF30	traffic purple, sim RAL 4006

Electrical data

Impedance	100 Ω
Frequency	DC to 0.6 GHz
Return loss	≥ 30 dB, 0.01 GHz to 0.6 GHz
Insulation resistance	≥ 100 MΩ
Signal contact resistance	≤ 10 mΩ
Outer contact resistance	≤ 7.5 mΩ
Working voltage	≤ 60 V DC
Power current	≤ 1.5 A DC

Connector only, electrical data in application depends decisively on cable type

Mechanical data

Mating cycles	min. 25
Engagement force	≤ 20 N
Retention force latch	≥ 110 N
Retention force primary lock	≥ 80 N
Retention force secondary lock	≥ 120 N
Coding efficiency	≥ 150 N
Weight	3,91 g

Environmental data















Temperature range	-40 °C to +105 °C
Thermal shock	DIN EN 60068-2-14
Humidity	DIN EN 60068-2-30 @ +40°C
Dry heat	DIN EN 60068-2-2 @ +105°C
Vibration	DIN EN 60068-2-64
Mechanical shock	DIN EN 60068-2-27
RoHS	compliant

Suitable cables

Dacar 647-4

Coding

Part Number has to be accomplished by codification

Coding	Plug	Colour	RAL	Part-Number
A		jet black	sim. 9005	E6S10A-1BZZ5-A
B		pure white	sim. 9010	E6S10A-1BZZ5-B
C		light blue	sim. 5012	E6S10A-1BZZ5-C
D		claret violet	sim. 4004	E6S10A-1BZZ5-D
E		may green	sim. 6017	E6S10A-1BZZ5-E
F		nut brown	sim. 8011	E6S10A-1BZZ5-F
G*		platinum grey	sim. 7036	E6S10A-1BZZ5-G
H*		light pink	sim. 3015	E6S10A-1BZZ5-H
J*		beige	sim. 1001	E6S10A-1BZZ5-J
K*		curry	sim. 1027	E6S10A-1BZZ5-K
L*		yellow green	sim. 6018	E6S10A-1BZZ5-L
M*		pastel orange	sim. 2003	E6S10A-1BZZ5-M
O*		light green	sim. 6027	E6S10A-1BZZ5-O
Z		water blue	sim. 5021	E6S10A-1BZZ5-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	23.10.20	S. Mittermeier	22.10.21	200	21-1555	N. Naus	22.10.21