

All dimensions are in mm

Documents

Interface	RN_132-01
Assembly instruction	MA_E7V002
Pinning	RN_131-01

Material and plating

Connector parts

Socket contact	Material Bronze	Plating / Colour Gold, 0.15 µm (Interface) Tin, min. 1µm (Crimp)
Upper housing	PBT-GF20	see section "Coding"
Lower housing	PBT-GF20	grey, sim. RAL 7000

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RF_35/05.14/6.2

Electrical data

Differential impedance	100 Ω ± 5% at 500 ps rise time	
Frequency range	DC to 1.0 GHz	
Return loss	≥ 38 dB	1 MHz to 75 MHz
	≥ 20 - 20 log($\frac{f}{600}$) dB	75 MHz to 600 MHz
Insertion loss	≤ 0.01 × √f dB	1 MHz to 600 MHz
Mode conversion loss	≥ 55 dB	10 MHz to 80 MHz
	≥ 77 - 11.51 log(f) dB	80 MHz to 600 MHz
Insulation resistance	≥ 1 × 10 ³ MΩ	
Signal contact resistance	≤ 10 mΩ	
Test voltage	250 V rms	
Working voltage	60 V DC	
Power current	≤ 1.5 A DC	

Mechanical data

Mating cycles	min. 25
Engagement force	≤ 25 N
Retention force latch	≥ 110 N
Coding efficiency	≥ 80 N
Weight	1.2 g

Environmental data

Temperature range	-40 °C to +105 °C
RoHS	compliant

Tooling

on request

Suitable cables

Dacar 676
GG 160812

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Technical Data Sheet

Rosenberger










MTD®

CABLE JACK

E7K11A-1AQX5-Y

Coding

Part Number has to be accomplished by codification

Coding	Jack	Colour	RAL	Part-Number
A		jet black	sim. 9005	E7K11A-1AQX5-A
B		pure white	sim. 9010	E7K11A-1AQX5-B
C		light blue	sim. 5012	E7K11A-1AQX5-C
D		claret violet	sim. 4004	E7K11A-1AQX5-D
E		may green	sim. 6017	E7K11A-1AQX5-E
F		nut brown	sim. 8011	E7K11A-1AQX5-F
G		platinum grey	sim. 7036	E7K11A-1AQX5-G
H		light pink	sim. 3015	E7K11A-1AQX5-H
Z		water blue	sim. 5021	E7K11A-1AQX5-Z

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. Steinbach	24.08.17	B. Braun	16.08.21	a00	20-s222	B. Armstorfer	16.08.21

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