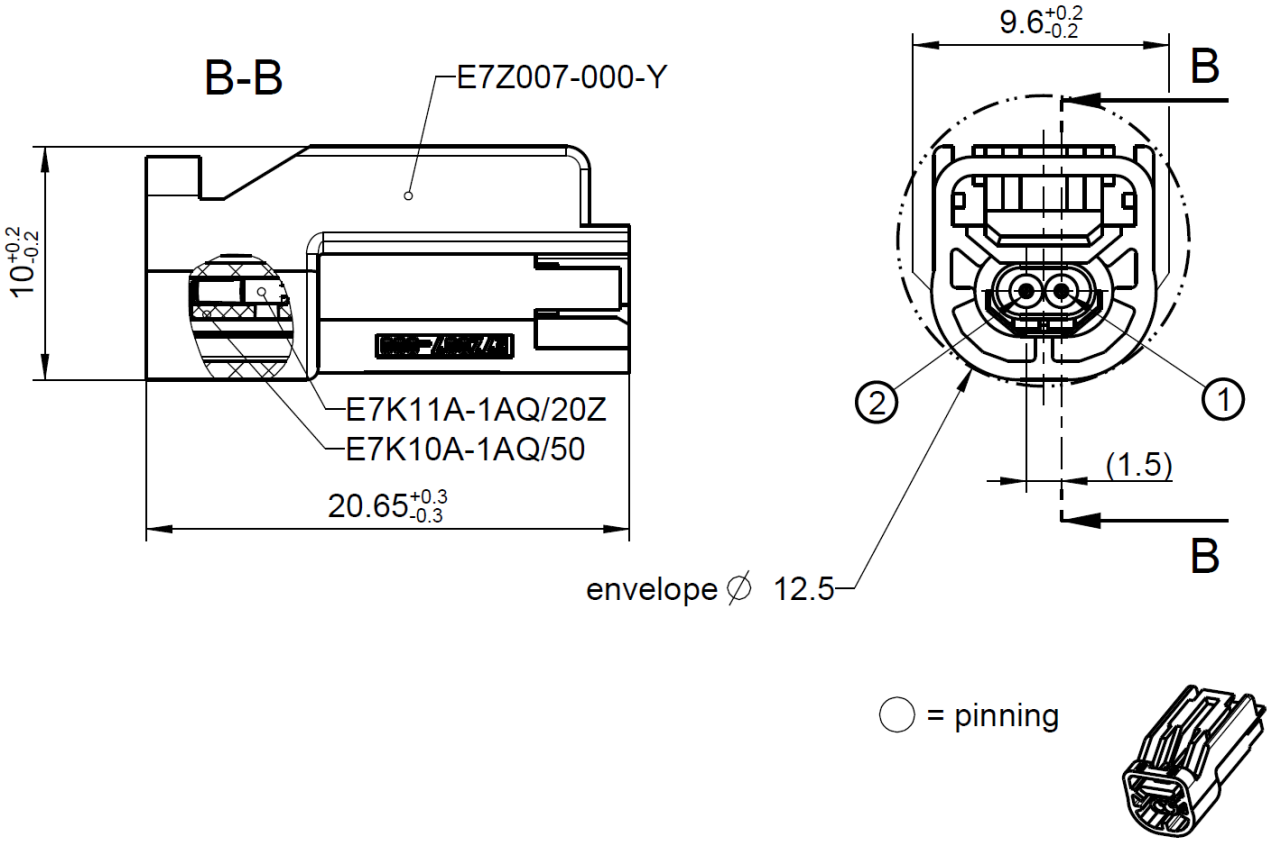
Technical Data Sheet		Rosenberger
MTD®	CABLE JACK	**E7K11A-1AQX5-Y**



All dimensions are in mm

Documents

Interface	RN_132-01
Assembly instruction	MA_E7V002
Pinning	RN_131-01

Material and plating

Connector parts	**Material**	**Plating / Colour**
Socket contact	Bronze	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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Electrical data

Differential impedance	100 Ω ± 5% at 500 ps rise time	
Frequency range	DC to 1.0 GHz	
Return loss	$\geq 38\,dB$	1 MHz to 75 MHz
	$\geq 20 - 20\log(\frac{f}{600})\,dB$	75 MHz to 600 MHz
Insertion loss	$\leq 0.01\times\sqrt{f}\,dB$	1 MHz to 600 MHz
Mode conversion loss	$\geq 55\,dB$	10 MHz to 80 MHz
	$\geq 77 - 11.51\log(f)\,dB$	80 MHz to 600 MHz
Insulation resistance	≥ 1x10³ 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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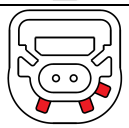
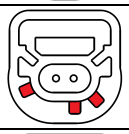
Coding

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

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