

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

Interface

According to RN_108-01

Documents

Assembly instruction MA_AMV003

Material and plating

Connector parts

- Center contact
- Contact part
- Crimp part
- Dielectric
- Crimping sleeve
- Housing
- Secondary lock

Material

- Spring bronze
- Stainless steel
- Spring bronze
- PA12-GB30
- Spring bronze
- PBT-GF20
- PBT-GF20

Plating

- Gold, min. 0.15 µm, over chemical nickel
- Tin, 1,5-3 µm
- Tin, 1,5-3 µm

Preliminary

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RF_35/09;14/6.2

Electrical data

Impedance	50 Ω
Frequency	DC to 15 GHz
Return loss	≥ 25 dB, DC to 3 GHz ≥ 20 dB, DC to 6 GHz ≥ 15 dB, DC to 12 GHz ≥ 12 dB, DC to 15 GHz
Insertion loss	≤ 0.1 x √f(GHz) dB
Insulation resistance	≥ 1x10 ³ MΩ
Center contact resistance	≤ 5 mΩ
Outer contact resistance	≤ 5 mΩ
Test voltage	750 V rms
Working voltage	335 V rms
Power current	≤ 1 A DC
RF-leakage (optional)	≤ -60 dB up to 10 GHz ≤ -50 dB up to 15 GHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	≥ 25
Engagement force	≤ 15N
Disengagement force	≥ 2N

Environmental data

Temperature range	-40°C to +105°C
Thermal shock	DIN 72594-2 clause 8.2
Temperature and humidity	DIN 72594-2 clause 8.3
Vibration and mechanical shock	DIN 72594-2 clause 8.1
Dry heat	DIN 72594-2 clause 8.4
RoHS	compliant

- Limitations are possible due to the used cable type -

Tooling

Crimp dimension acc. to assembly instruction

Suitable cables

Dacar 462

Packing

Standard (optional)	TBD
Weight	1,45 g/pce

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Technical Data Sheet

Rosenberger












HFM®
High-Speed FAKRA Mini

STRAIGHT JACK
w. HOUSING

AMK12A-102Z5-Y

Coding

Part Number has to be accomplished by codification

Coding		Color	RAL	Part-Number-RT
	A	black	sim. 9005	AMK12A-102Z5-A
	B	white	sim. 9010	AMK12B-102Z5-B
	C	blue	sim. 5012	AMK12A-102Z5-C
	D	bordeauxviolet	sim. 4004	AMK12A-102Z5-D
	E	green	sim. 6017	AMK12A-102Z5-E
	F	brown	sim. 8011	AMK12A-102Z5-F
	G	grey	sim. 7036	AMK12A-102Z5-G
	H	light pink	sim. 3015	AMK12A-102Z5-H
	J	beige	sim. 1001	AMK12A-102Z5-J
	K	curry	sim. 1027	AMK12A-102Z5-K
	Z	waterblue	sim. 5021	AMK12A-102Z5-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
C. Schmidt	06.08.15	C. Anfang	19.09.16	300	16-v525	M. Volkmar	19.09.16

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