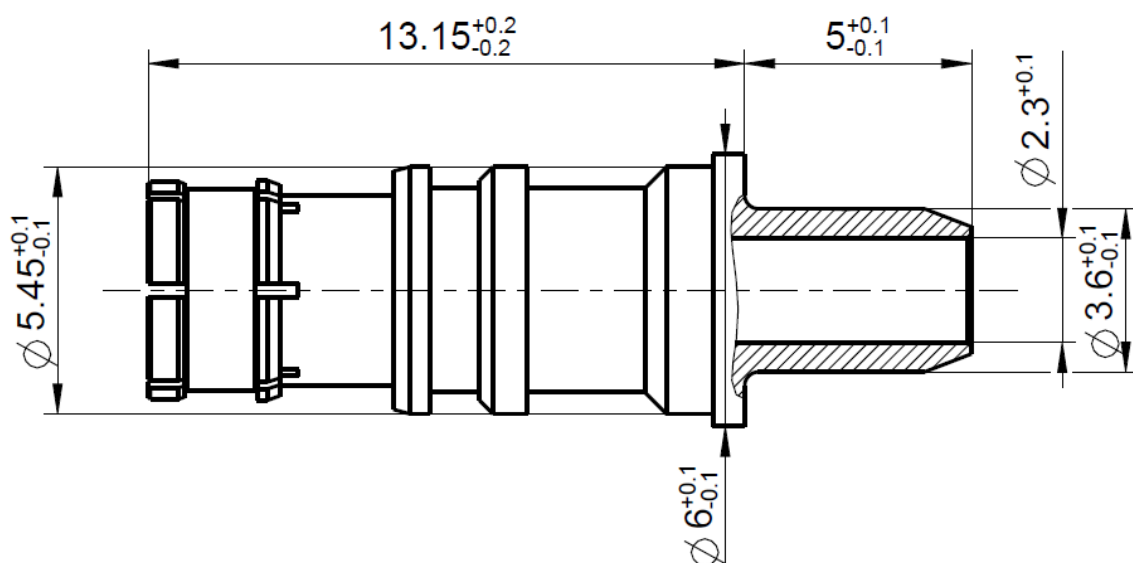
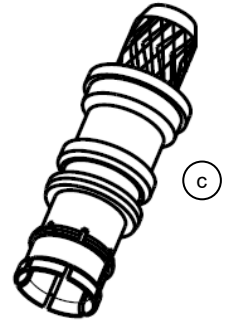




All dimensions are in mm (c)

Interface

According to

DIN 72594-1; ISO 20860-1; USCAR 17 (c)

Documents

Assembly instruction

MA_59V059

Material and plating

Connector parts

Outer contact
Contact spring
Dielectric

Material

Brass
Stainless steel
PA12-GB30 (b)

Plating

Nickel, 3-6 µm

Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 30 dB, DC to 1 GHz ≥ 27 dB, DC to 3 GHz ≥ 20 dB, DC to 6 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	60 V DC
Power current	≤ 1 A DC
RF-leakage	≥ 65 dB up to 1 GHz

- Limitations are possible due to the used cable type -

Mechanical data

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

Environmental data

Temperature range	-40°C to +105°C
Thermal shock	ISO 20860-2 clause 9.2
Temperature and humidity	ISO 20860-2 clause 9.3
Vibration and mechanical shock	ISO 20860-2 clause 9.1
Dry heat	ISO 20860-2 clause 9.4
RoHS (b)	compliant

- Limitations are possible due to the used cable type -

Tooling

Crimping tool	11W150-000
Crimp insert outer contact	11W150-104

Suitable cables

Cable type	RTK 031
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Packintg

Standard	5.000 pcs in box (c)
Weight	1.39 g/pce

Change History

Rev.	Date	Change
b00/b01	17.03.17	-Knurling added in drawing -Dielectric material data: added GB30 to PA12-GB30 according to precise material specification and delivery situation -DIN 72594-2 clause 6... to clause 8... -RoHS: "2002/95/EC (RoHS)" changed to "RoHS"
c00	10.07.24	Packing - 1.000 pcs in box changed to 5.000 pcs in box - environmental data updated from DIN 72594-2 to ISO 20860-2 - removed "tolerances according to ISO 2768 m-H" - changed "Interface according to DIN 72594-1; USCAR 17" to "DIN 72594-1; ISO 20860-1; USCAR 17"

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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
W. Lankes	14.01.10	F. Danzl	31.07.24	c00	24-1056	S. Guggenberger	31.07.24
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