



All dimensions are in mm; tolerances according to ISO 2768 m-H
 Y = Part number has to be accomplished by codification

Interface

According to DIN 72594-1

Documents

Assembly instruction MA_59V068

Material and plating

Connector parts

- Center contact
- Outer contact
- Dielectric
- Crimping ferrule
- Housing
- Sheet metal

Material

- Spring bronze
- Brass
- PA 12
- Copper
- PA 6T/66
- Steel

Plating

- Gold, min. 0.8 µm, over chemical nickel
- Nickel, 2.5-5 µm
- Nickel, 2.5-5 µm
- Pre - tinned

Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 30 dB, DC to 1 GHz ≥ 24 dB, DC to 3 GHz ≥ 15 dB, DC to 6 GHz
Insertion loss	$\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
Insulation resistance	$\geq 1 \times 10^3$ M Ω
Center contact resistance	≤ 5 m Ω
Outer contact resistance	≤ 5 m Ω
Test voltage	750 V rms
Working voltage	335 V rms
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
Retention force latch	≥ 110 N
Coding efficiency	≥ 40 N

Environmental data

Temperature range	-40°C to +85°C / 105°C
Thermal shock	DIN 72594-2 clause 6.2
Temperature and humidity	DIN 72594-2 clause 6.3
Vibration and mechanical shock	DIN 72594-2 clause 6.1
Dry heat	DIN 72594-2 clause 6.4
2002/95/EC (RoHS)	compliant

- Limitations are possible due to the used cable type -

Tooling

Crimping tool	11W150-000
Crimp insert outer contact	11W150-302
Crimp insert center contact	11W161-800

Suitable cables

Cable type	RG 174
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Packing

Standard	500 pcs in box
Weight	5.17 g/pce