

All dimensions are in mm;

Interface

According to ISO 20860-1, (DIN 72594-1)

Remarks

Waterproof only guaranteed with suitable counter connector

Sealing compound must not penetrate the connector

Documents

PCB layout MB_558

Material and plating

Connector parts

Center contact	Brass
Outer contact	Brass
Dielectric	HTN
Housing	HTN
O-Ring	Silicone

Plating

AuroDur®, gold plated
Tin, min. 3 µm

Electrical data

Impedance	50Ω
Frequency	DC to 6 GHz
Return loss	≥ 25 dB, DC to 1 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

- Connector only, VSWR in application depends decisive on PCB layout -

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 +105°C
Thermal shock	ISO 20860-2 clause 9.2
Vibration and mechanical shock	ISO 20860-2 clause 9.1
Temperature and humidity	ISO 20860-2 clause 9.3
Dry heat	ISO 20860-2 clause 9.4
Soldering profile	acc. IEC 60068-2-58 group 3
Water resistant	IPX6K/IPX9K (ISO 20653:2013)
RoHS	compliant

Packing















Standard	50 pcs. in blister
Weight	2,7 g/pce

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RF_35/09.14/6.2

Coding

Part Number has to be accomplished by codification

Coding	Color	RAL	Part-Number
 A	black	sim. 9005	59S14M-40MT5-A
 B	white	sim. 9001	59S14M-40MT5-B
 C	blue	sim. 5005	59S14M-40MT5-C
 D	bordeauxviolet	sim. 4004	59S14M-40MT5-D
 E	green	sim. 6002	59S14M-40MT5-E
 F	brown	sim. 8011	59S14M-40MT5-F
 G	grey	sim. 7031	59S14M-40MT5-G
 H	violet	sim. 4003	59S14M-40MT5-H
 I	beige	sim. 1001	59S14M-40MT5-I
 K	curry	sim. 1027	59S14M-40MT5-K
 L	carmine-red	sim. 3002	59S14M-40MT5-L
 M	pastel-orange	sim. 2003	59S14M-40MT5-M
 N	white-green	sim. 6019	59S14M-40MT5-N
 Z	waterblue	sim. 5021	59S14M-40MT5-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
T. Höfling	09.07.15	S. Murr	20.07.17	a00	17-s225	M. Gierer	20.07.17