

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

PCB layout MB_30

Material and plating

Connector parts

Center contact	Brass
Outer contact	Brass
Body	Brass
Dielectric	PTFE
Housing	PA 6.6T

Plating

Gold, min. 0.8 µm, over chemical nickel
 Nickel, 2.5-5 µm
 Gold, min. 0.15 µm, over chemical nickel

Electrical data

Impedance	50
Frequency	DC to 6 GHz
Return loss	≥ 26 dB, DC to 1 GHz
Insertion loss	≤ 0.1 x $\sqrt{f(\text{GHz})}$ 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
Coding efficiency	≥ 40 N

Environmental data

Temperature range	-40°C to +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

Tooling




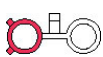







N/A

Packing

Standard	25 pcs in blister
Weight	11.3 g/pce

Coding

Part Number has to be accomplished by codification

Coding	Color	RAL	Part-Number
 A	black	sim. 9005	59S20C-400A4_A
 B	white	sim. 9001	59S20C-400A4_B
 C	blue	sim. 5005	59S20C-400A4_C
 D	bordeauxviolet	sim. 4004	59S20C-400A4_D
 E	green	sim. 6002	59S20C-400A4_E
 F	brown	sim. 8011	59S20C-400A4_F
 G	grey	sim. 7031	59S20C-400A4_G
 H	violet	sim. 4003	59S20C-400A4_H
 I	beige	sim. 1001	59S20C-400A4_I
 K	curry	sim. 1027	59S20C-400A4_K
 Z	waterblue	sim. 5021	59S20C-400A4_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
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