



All dimensions are in mm

Interface

RPC-1.00 according to IEC 61169-31
WSMP according to IEC 61169-69

Documents

N/A

Material and plating

Connector parts

Center conductor
Outer conductor
Dielectric

Material

CuBe
CuBe or equiv.
PEEK

Plating

Gold, min. 1.27 µm, over nickel
Gold, min. 1.27 µm, over nickel

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RFB00035/05.23/6.4

Technical Data Sheet

Rosenberger

WSMP

Adaptor
RPC-1.00 Jack to WSMP Plug

W1S101-K00D3

Electrical data

Impedance	50 Ω
Frequency	DC to 110 GHz
Return loss	≥ 27 dB, DC to 18 GHz ≥ 20 dB, 18 GHz to 65 GHz ≥ 12 dB, 65 GHz to 110 GHz

Mechanical data

RPC-1.00

Mating cycles	≥ 500
Maximum torque	0.70 Nm
Recommended torque	0.41 Nm

WSMP

Mating cycles	
- Full Detent mating jack	≥ 100
Engagement force (typical)	
- Full detent	2.5 lbf [11 N]
Disengagement force (typical)	
- Full detent	4.5 lbf [20 N]

Environmental data

Operating temperature range ¹	+20 °C to +26 °C
Rated temperature range of use ²	0 °C to +50 °C
Storage temperature range	-40 °C to +85 °C

RoHS compliant

¹ Temperature range over which these specification are valid.

² This range is underneath and above the operating temperature range, within the adaptor is fully functional and could be used without damage.

Weight

1.3 g/pce

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
M. Panicke	07.03.17	L. Ramtke	14.01.25	c00	24-1549	M. Striegler	14.01.25

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