

Electrical data

Impedance	100 Ω
Frequency	DC to 10 GHz
Return loss	≥ 30 dB, 0.01 GHz to 1 GHz ≥ 25 dB, 3 GHz to 6 GHz ≥ 20 dB, 6 GHz to 10 GHz
Insulation resistance	≥ 100 MΩ
Signal contact resistance	≤ 10 mΩ
Outer contact resistance	≤ 7.5 mΩ
Working voltage	≤ 60 V DC
Power current	≤ 1.5 A DC

Connector only, electrical data in application depends decisively on PCB layout

Mechanical data

Mating cycles	min. 10
Engagement force	≤ 75 N
Retention force latch	≥ 110 N
Coding efficiency	≥ 225 N
Weight	15.3 g

Environmental data

Temperature range	-40°C to +105°C
Thermal shock	DIN EN 60068-2-14
Humidity	DIN EN 60068-2-30 @ +40°C
Dry heat	DIN EN 60068-2-2 @ +105°C
Vibration	DIN EN 60068-2-64
Mechanical Shock	DIN EN 60068-2-27
Water resistant	LV 214 / sim. DIN EN 60529 IPX7M/IPX9
Soldering profile	DIN EN 60068-2-58; Group 3 (250 °C / 30 sec.)
RoHS	compliant

Packing

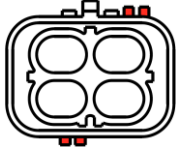
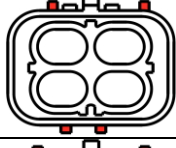
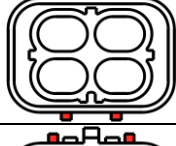
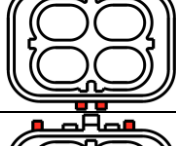
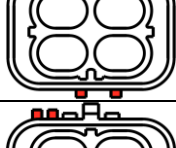
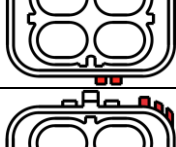
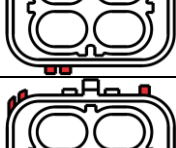
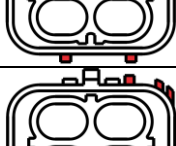
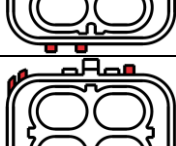
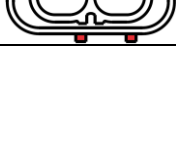
Standard	80 pcs in tape & reel
----------	-----------------------

Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

RF_35/09.14/6.2

Coding

Part Number has to be accomplished by codification

Coding	Plug	Colour	RAL	Part-Number
A		Jet black	sim. 9005	E6S24D-40MT5-A
B		Pure white	sim. 9010	E6S24D-40MT5-B
C*		Light blue	sim. 5012	E6S24D-40MT5-C
D*		Claret violet	sim. 4004	E6S24D-40MT5-D
E*		May green	sim. 6017	E6S24D-40MT5-E
F*		Nut brown	sim. 8011	E6S24D-40MT5-F
G*		Platinum grey	sim. 7036	E6S24D-40MT5-G
H*		Light pink	sim. 3015	E6S24D-40MT5-H
J*		Beige	sim. 1001	E6S24D-40MT5-J
K*		Curry	sim. 1027	E6S24D-40MT5-K

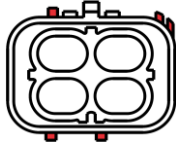
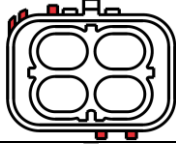
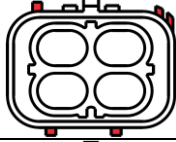
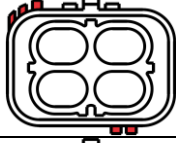
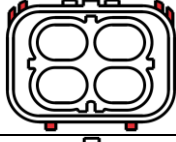

Technical Data Sheet

Rosenberger

H-MTD®

RIGHT ANGLE PLUG
FOR PCB - WATERPROOF

E6S24D-40MT5-Y

*L		Yellow green	sim. 6018	E6S24D-40MT5-L
M*		Pastel orange	sim. 2003	E6S24D-40MT5-M
N*		Pastel green	sim. 6019	E6S24D-40MT5-N
P*		Carmine red	sim. 3002	E6S24D-40MT5-P
R*		Signal blue	sim. 5005	E6S24D-40MT5-R
Z		Water blue	sim. 5021	E6S24D-40MT5-Z

* Coding on request

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
M. Kolbe	13.01.21	A. Görzen	18.11.21	200	21-v479	M. Jacobs	18.11.21

Rosenberger Hochfrequenztechnik GmbH & Co. KG
P.O.Box 1260 D-84526 Tittmoning Germany
www.rosenberger.de

Tel. : +49 8684 18-0
Email : info@rosenberger.de

Page

4 / 4