

- HVK201-12A006/90B1-Y
- APK101-12-006/31
- HVK201-12A004/21B
- HVK201-12A006/93
- HVK201-12A006/08T
- HVK101-12A004/40A
- HVK102-12A004/70
- HVZ006-003/52

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

Interface

Assembly instruction MA_HV0007

Documents

Assembly instruction MA_HV0007

Material and plating

Connector parts

- Outer contact
- Locking ring
- Power contact
- Seal (Cable)
- Crimping ferrule
- Locking Cap
- Housing
- Insulator
- C-Ring center contact lock

Material

- Brass
- PA66-GF15
- Copper
- Silicon
- Brass
- PA12-GF30
- see data sheet of piece part
- PBT-GF30
- PA66-GF15

Plating / Colour

- Sn, min. 3µm
- Grey
- Ag, min. 3µm
- Light blue
- Ni, min. 3µm
- Blue
- Blue
- Nature
- Blue

Preliminary

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

RF_35/09_14/6.2

HVR40

Right Angle
Waterproof Jack

HVK201-12A004B1-Y

Electrical data

Insulation resistance	≥ 200 MΩ at 1000V DC
Voltage class	B 60 V DC < U ≤ 1500 V DC 25 V AC < U ≤ 1000 V AC
Contact resistance (Current)	≤ 1,44 mΩ
Contact resistance (EMV)	≤ 10 mΩ
Test voltage	2700 VDC
Working voltage	750 VDC
Ampacity	tbd.
EMI (shielding effectiveness)	70 dB (10 kHz - 5 MHz) 65 dB (5 MHz - 500 MHz)
High Voltage Interlock (HVIL)	Yes Power pins min. 1mm advanced

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	≥ 50
Engagement force	≤ 75 N
Coding efficiency	≥ 280 N
IP code mated	IP6K9K/ IPX8/ IPXXD
IP code unmated	IPXXB

Environmental data

Temperature range	-40°C to +140°C
RoHS	compliant

- Limitations are possible due to the used cable type -

Suitable cables

Cable type	4.0 mm ² (LV-216-2)
Validated Cables	Coroplast Part. No.: 9-2641 / 2x4,0mm ² Type: FLR2G2GCB2G 2x4,0mm ² / T175

Tooling

Crimping tool	see MA_HV0007
---------------	---------------

Packing

Standard	see data sheet of piece part
Weight	112 g/pc

Preliminary

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

RF_35/09_14/6.2

Technical Data Sheet

Rosenberger

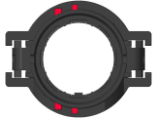
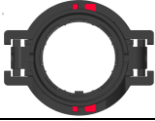
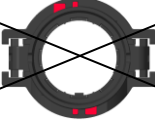
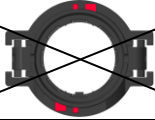

HVR40

Right Angle
Waterproof Jack

HVK201-12A004B1-Y

Coding

Part Number has to be accomplished by codification

Coding	Plug	Colour	RAL	Part-Number
A		black	sim. 9005	HVK201-12A004B1-A
B		black	sim. 9005	HVK201-12A004B1-B
C		black	sim. 9005	HVK201-12A004B1-C
D		black	sim. 9005	HVK201-12A004B1-D
Z		black	sim 9005	HVK201-12A004B1-Z

Preliminary

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
R. Hochheim	24.04.13	S. Rutz	02-07-15	300	15-0699	M. Marks	02.07.15

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

3 / 3