

* tolerance results of backlash inner conductor - housing/secondary lock
 1) Dimensions can be used for incoming inspection

Interface

According to RN_084-01

Documents

Assembly instruction MA_HV0039

Material and plating

Connector parts

- Power Contact
- Contact protection cap
- Housing
- Secondary lock
- Distance sleeve
- Cable
- HVIL contact

Material

- Copper
- PA10
- PA10 GF30
- PA10 GF30
- Brass
- Copper 0,35mm²
- Spring bronze

Plating / Colour

- Ag, min. 3µm, over Ni
- black
- black
- traffic purple
- Ni
- red / black
- Ag, min. 0,5µm

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RF_35/05.10/6.2

Electrical data

Insulation resistance	≥ 200 MΩ / 1000 V_DC
Voltage class	B 60 V_DC < U ≤ 1500 V_DC 25 V_AC < U ≤ 1000 V_AC
Contact resistance (after aging)	≤ 0,4 mΩ
Design acc. To DIN EN 60664-1 (2008-1)	
Pollution grade	2
Type of isolation	Basic Isolation
Max. Altitude	5500m above sea level
Working voltage	1000 V_DC
Test voltage	3200 V_DC (at max. altitude 2000m above sea Level)
Rated surge voltage	2700 V_DC
Ampacity	depending on cross section of used cable connector side
EMI (shielding effectiveness)	70 dB (10 kHz - 5 MHz) 65 dB (5 MHz - 500 MHz)
High Voltage Interlock (HVIL)	Yes

Mechanical data

Mating cycles	≥ 50
Coding efficiency	≥ 300 N
IP class (mated)	depending on cross section of used cable connector side
IP class (unmated)	IPXXB
Vibration class	LV214 (2010-04) PG17-II (Random: DIN EN 60068-2-64) (Sinus: DIN EN 60068-2-6) (Shock: DIN EN 60068-2-27)

Environmental data

Temperature range	-40°C to +140°C
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Application

Applicable for following connectors:

H4K134-W10016B1-YY	H4K135-W10016B1-YY	H4K136-W10016B1-YY	H4K137-W10016B1-YY
H4K134-W10025B1-YY	H4K135-W10025B1-YY	H4K136-W10025B1-YY	H4K137-W10025B1-YY
H4K134-W10035B1-YY	H4K135-W10035B1-YY	H4K136-W10035B1-YY	H4K137-W10035B1-YY
H4K134-W10050B1-YY	H4K135-W10050B1-YY	H4K136-W10050B1-YY	H4K137-W10050B1-YY
H4K134-W20016B1-YYY	H4K135-W20016B1-YYY	H4K136-W20016B1-YYY	H4K137-W20016B1-YYY
H4K134-W20025B1-YYY	H4K135-W20025B1-YYY	H4K136-W20025B1-YYY	H4K137-W20025B1-YYY
H4K134-W20035B1-YYY	H4K135-W20035B1-YYY	H4K136-W20035B1-YYY	H4K137-W20035B1-YYY
H4K134-W20050B1-YYY	H4K135-W20050B1-YYY	H4K136-W20050B1-YYY	H4K137-W20050B1-YYY

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Technical Data Sheet

Rosenberger

HPK

Device side


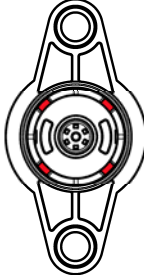

H4S115-91-H00B-Y

Packing

Standard
Weight

40 pcs in box
37,32 g/pcs

Coding

Coding	Plug	Colour	RAL	Part-Number
A		black	sim. 9004	H4S115-91-H00B-A
B		black	sim. 9004	H4S115-91-H00B-B
C		black	sim. 9004	H4S115-91-H00B-C

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
L. Schneider	24.04.15	G. Höfelmeier	12.09.18	300	18-1699	R. Hochheim	12.09.18

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
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