

* 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	Copper
Contact protection cap	PA10
Housing	PA10 GF30
Secondary lock	PA10 GF30
Distance sleeve	Brass

Plating / Colour

Ag, min. 3µm, over Ni
 black
 black
 traffic purple
 Ni

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 (Current)	≤ 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)	No

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

Packing

Standard	40 pcs in box
Weight	33,33 g/pcs

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Technical Data Sheet




Rosenberger

HPK

Device side

H4S115-91-000B-Y

Coding

Coding	Plug	Colour	RAL	Part-Number
A		black	sim. 9004	H4S115-91-000B-A
B		black	sim. 9004	H4S115-91-000B-B
C		black	sim. 9004	H4S115-91-000B-C

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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RF_35/05.10/6.2