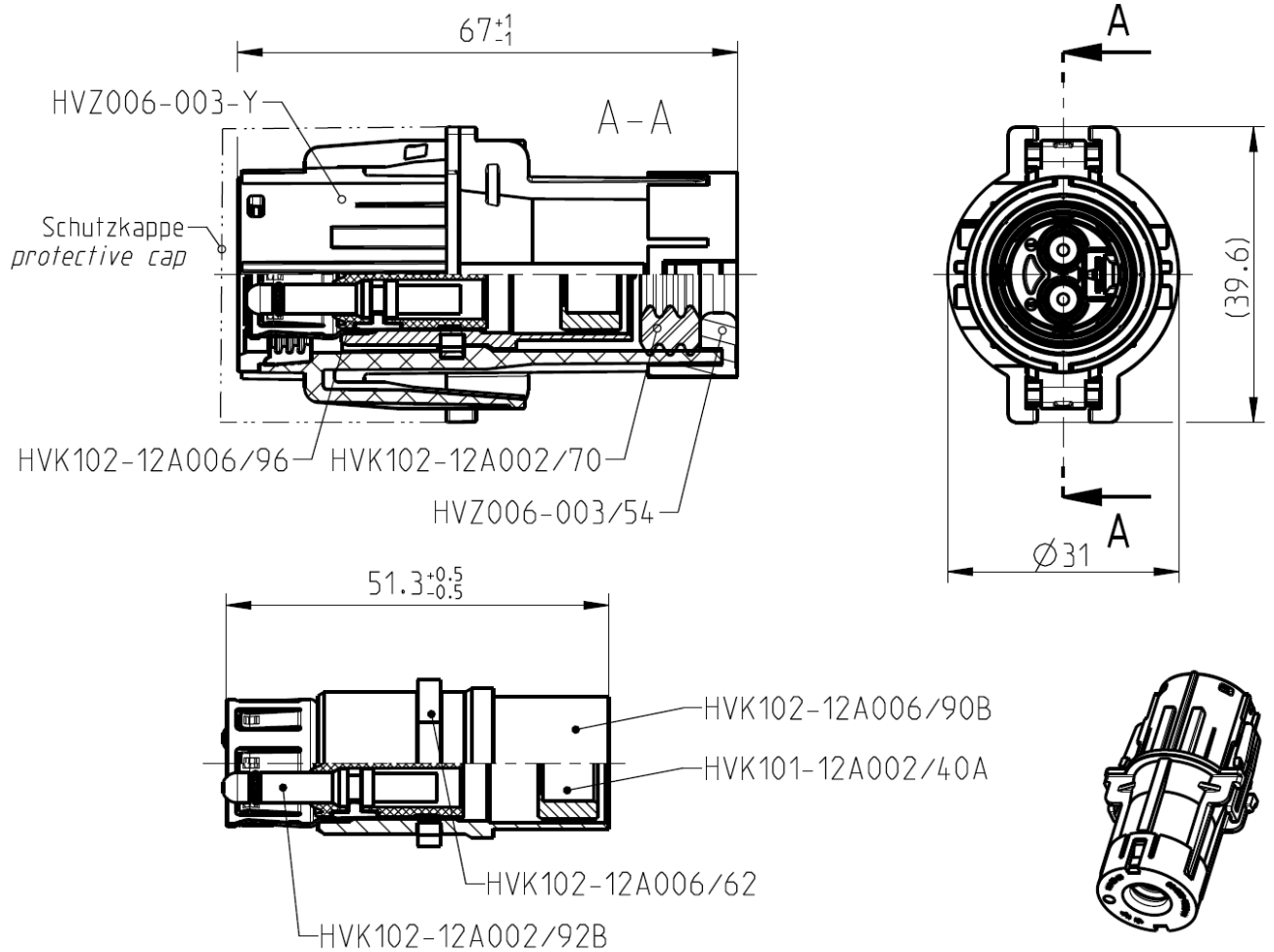


HVR40

Straight
Waterproof Jack

HVK102-12A002B1-Y



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

Interface

According to RN_079-01

Documents

Assembly instruction MA_HV0004

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RF_35/09_14/6.2

HVR40

Straight
Waterproof Jack

HVK102-12A002B1-Y

Material and plating

Connector parts

Outer contact
HVIL- Contact
Power contacts (current)
Power contact spring
Crimping ferrule
Touch-protection cap
Locking C-ring (power contact)
Locking C-ring (shielding contact)
Housing
Dielectric
End Cap
Seal (Cable)
Seal (Housing)

Material

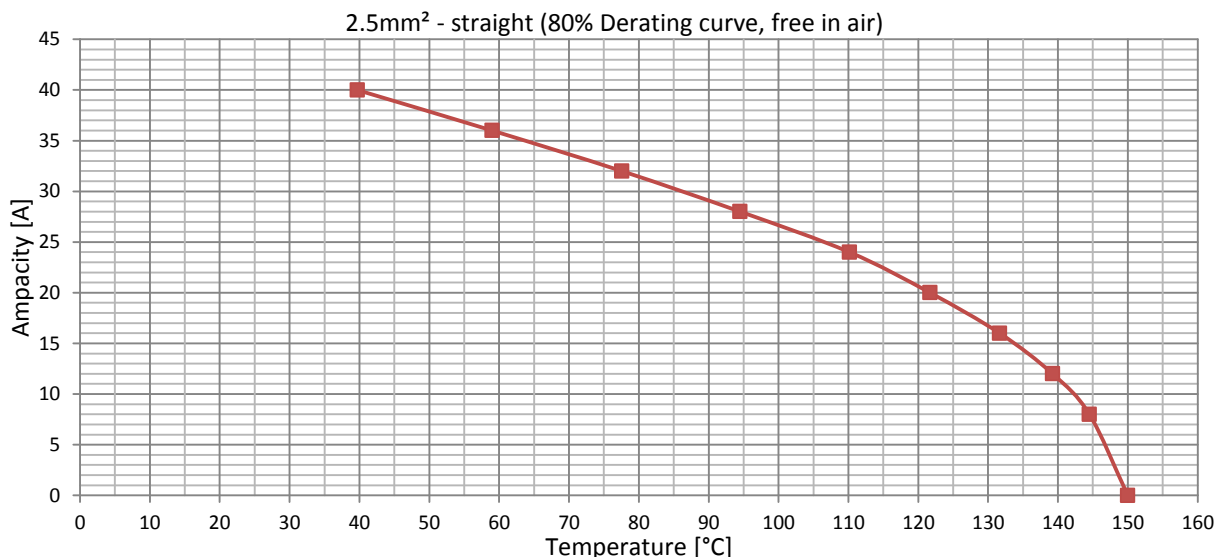
Brass / Spring bronze
Spring bronze
Copper
Copper
Brass
PA10 T/X
PA66 - GF15
PA12 - GF30
PA12 - GF30
PBT - GF30
PA12 - GF30
Silicone SH40
Silicone SH40

Plating

Ni, min. 3µm / Ag, min. 0,5µm
Ag, min. 0,5µm
Ag, min. 3µm
Ag, min. 3µm
Ni, min. 3µm
Black
Blue
Black
Black
Nature
Green
Green
Green

Electrical data

Insulation resistance ≥ 200 MΩ at 1000 V DC
Voltage class B
60 V DC < U ≤ 1500 V DC
25 V AC < U ≤ 1000 V AC
Contact resistance (Current) ≤ 2,34 mΩ
Contact resistance (EMV) ≤ 10 mΩ
Test voltage 2700 VDC
Working voltage 750 VDC
Ampacity see chart
According to DIN EN60512-5-2



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

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Technical Data Sheet

Rosenberger

HVR40

Straight
Waterproof Jack

HVK102-12A002B1-Y

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 -

Tooling

Crimping tool see MA_HV0004

Suitable cable

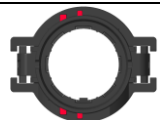

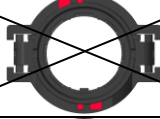
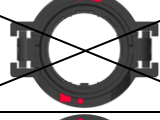

Cable type 2.5 mm² (LV-216-2)
 Validated Cables **Coroplast:**
 Part No.: 9-2641 / 2x2.5mm²
 Type: FLR2G2GCB2G 2x2,5mm² / T175

Packing

Standard for packaging see data sheet of piece part
 Weight 64.46 g/pce

Coding

Part Number has to be accomplished by codification

Coding	Plug	Colour	RAL	Part-Number
A		black	sim. 9005	HVK102-12A002B1-A
B		black	sim. 9005	HVK102-12A002B1-B
C		black	sim. 9005	HVK102-12A002B1-C
D		black	sim. 9005	HVK102-12A002B1-D
Z		black	sim 9005	HVK102-12A002B1-Z

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
H. Mühlfellner	03.08.11	S. Rutz	07.07.15	600	15-0699	M. Marks	07.07.15

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