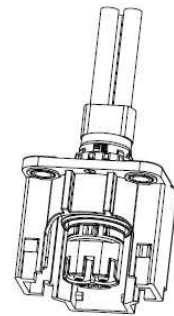


pinning	colour	cable
1	red	4mm ²
2	black	4mm ²
3	red	0.35mm ²
4	black	0.35mm ²



All dimensions are in mm
Y = Part number has to be accomplished by codification

Interface

According to RN_111-01

Documents

Assembly instruction MA_HV0080
Panel piercing MB_647

Material and plating

Connector parts

Connector parts	Material
Shielding	Brass
Inner conductor	Cu
Insulator	PA66 GF30
C-ring	PA66 GF15
Touch protection cap	PA66 GF30
Housing	PBT-I-GF30
Seal	Silicone
Bushing	Aluminium
Tape	Polyester

Plating / Colour

Ag, min. 0.5µm
Ag, min. 3µm
black, sim. RAL 9005
traffic purple, sim. RAL 4006
black, sim. RAL 9005
orange, sim. RAL 2003
red, sim. RAL 3004

black

Cable

Power cable Hivocar-200-SU-4.0
 HVIL cable FLR2X 035-A / T150

Electrical data

Insulation resistance $\geq 200 \text{ M}\Omega$ at 1000 V DC
 Voltage class B
 60 V DC < U ≤ 1500 V DC
 25 V AC < U ≤ 1000 V AC
 Contact resistance (Current) $\leq 1,36 \text{ m}\Omega$
 Contact resistance (EMC) $\leq 10 \text{ m}\Omega$
 Test voltage 2700 VDC
 Working voltage 1000 VDC
 Ampacity 53 A at 85°C
acc. to DIN EN60512-5-2, free in air
 EMI (transfer impedance) < 10 m Ω /m (2 MHz)
acc. to LV215-2_2013-02 < 50 m Ω /m (30 MHz)
 High Voltage Interlock (HVIL) Yes
 Power pins min. 1mm advanced

Mechanical data

Mating cycles ≥ 50
 Engagement force $\leq 75\text{N}$
 Coding efficiency $\geq 300\text{N}$
 Cable connection angle 180°
 IP code mated IP6K9K/ IPX8/ IPXXD
 IP code unmated IPXXB
 Vibration class LV-215 PG17-II

Environmental data

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

Application

Applicable e.g. for following connectors: H6K206-12A004B1-Y, H6K106-12A004B1-Y

Packing



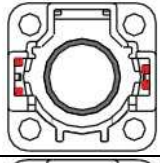
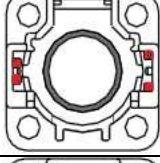
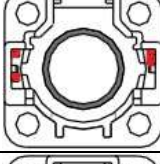
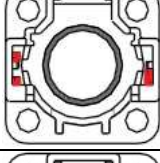
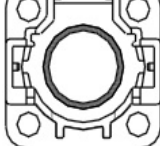
Standard 5 pcs in bag
 Weight ca. 83 g/pce

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RF_35/09:14/6.2

Coding

Part Number has to be accomplished by codification

Coding	Plug	Colour	RAL	Part-Number
A		orange	sim. 2003	H6L106-5B-001B1-A
B		orange	sim. 2003	H6L106-5B-001B1-B
C		orange	sim. 2003	H6L106-5B-001B1-C
D		orange	sim. 2003	H6L106-5B-001B1-D
E		orange	sim. 2003	H6L106-5B-001B1-E
F		orange	sim. 2003	H6L106-5B-001B1-F
Z		orange	sim. 2003	H6L106-5B-001B1-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
P. Simon	29.11.16	I. Zanolla	30.11.20	700	21-0190	E. Meltzer	29.01.21