

All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to RN_081-01

Documents

Assembly instruction MA_HV0017
 Panel piercing MB_488

Material and plating

Connector parts

Connector parts	Material	Plating/Colour
Housing	AlSi12	
Seal	Silicon	red
Centre Contact	Copper	Ag, min. 3 µm
Outer Contact	Brass	Ag, min. 0.5 µm
Insulator1	PA10	black
Insulator2	PBT-GF10	black
Insulator3	PBT-GF30	black
Insulator4	PBT-GF30	black
Insulator5	PBT-GF30	black
Insulator6	PA10	black
Insulator7	PA10	black

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Electrical data

Insulation resistance	≥ 200 MΩ
Contact resistance (Current)	< 0.78 mΩ
Contact resistance (EMV)	≤ 10 mΩ
Test voltage	2700 VDC
Working voltage	750 VDC
EMI (shielding effectiveness)	70 dB (10 kHz - 5 MHz), < 10 mΩ/m 65 dB (5 MHz - 500 MHz), < 50 mΩ/m
High Voltage Interlock (HVIL)	Yes Power pins min. 1mm advanced

Mechanical data

Mating cycles	≥ 50
Coding efficiency	300 N
Cable connection angle	180°
Locking Torque Bus Bar	6.0 ± 0.5 Nm
Locking Torque Socket	9.0 ± 0.5 Nm
IP class (mated)	IP6K9K, IPX8, IPXXD
IP class (unmated)	IPXXB
Vibration class	LV215 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
RoHS	compliant

Application

Applicable e.g. for following connectors:	H2K101-W2A016XX-Y; H2K101-W2A025XX-Y; H2K101-W2A035XX-Y
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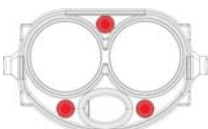
Packing

Standard	2 pcs per box
Weight	165 g/pce

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Coding

Coding	Plug	Part-Number
A		H2S204-02-000B1-A
B		H2S204-02-000B1-B
C		H2S204-02-000B1-C
Z		H2S204-02-000B1-Z

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
S. Obermaier	18.03.13	D. Bossenmaier	03.06.15	600	15-0606	R. Hochheim	03.06.15

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