

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 MA\_448

**Material and plating**

**Connector parts**

Connector parts	Material
Housing	AlSi12
Seal	Silicon
Centre Contact1	Copper
Centre Contact2	Copper
Outer Contact	Brass
Insulator1	PA10 GF 30
Insulator2	PBT
Insulator3	PA10
HVIL-Housing	PBT-GF10
HVIL-connector	Spring bronze

**Plating/Colour**

Red
Ag, min. 3µm
Ag, min. 3µm
Ag, min. 0.5 µm
Black
Black
Black
Black
AG, min. 1 µm

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**Electrical data**

Insulation resistance	≥ 200 MΩ
Contact resistance (Current)	< 0.78 mΩ
Contact resistance (EMV)	≤ 10mΩ
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. 2mm 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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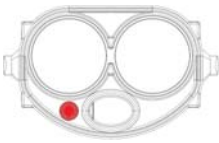
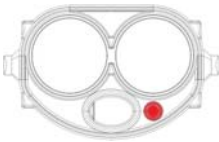
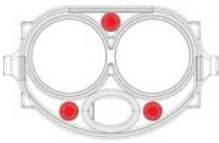
**Packing**

Standard	2 pcs per box
Weight	153 g/pce

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**Coding**

Coding	Plug	Part-Number
A		H2S101-02-000B1-A
B		H2S101-02-000B1-B
C		H2S101-02-000B1-C
Z		H2S101-02-000B1-Z

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
T. Loedding	31.11.15	D. Bossenmaier	02.06.15	500	15-0606	R. Hochheim	02.06.15

Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany <a href="http://www.rosenberger.de">www.rosenberger.de</a>	Tel. : +49 8684 18-0 Email : <a href="mailto:info@rosenberger.de">info@rosenberger.de</a>	Page 3 / 3
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