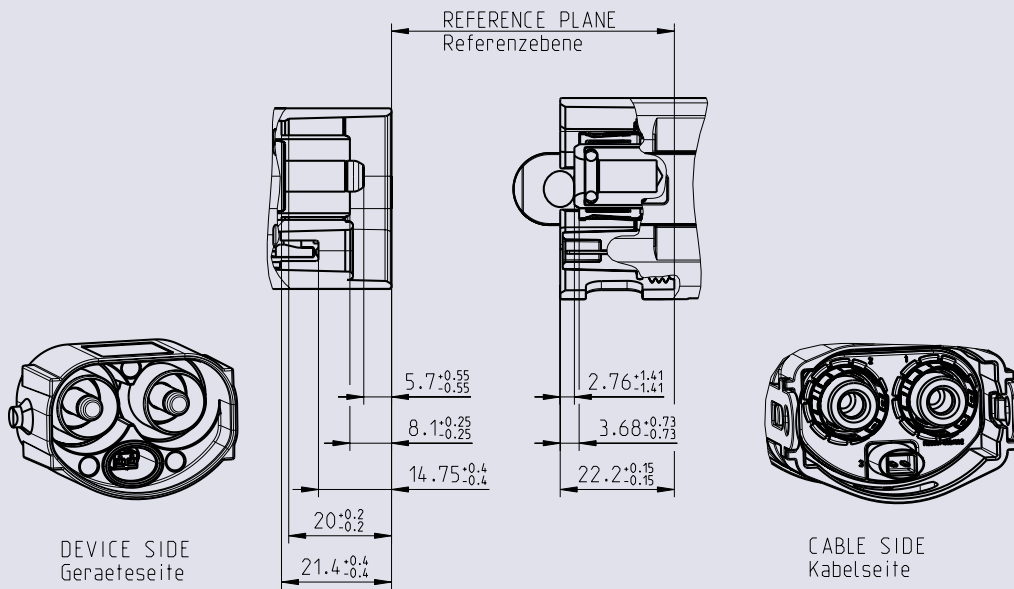


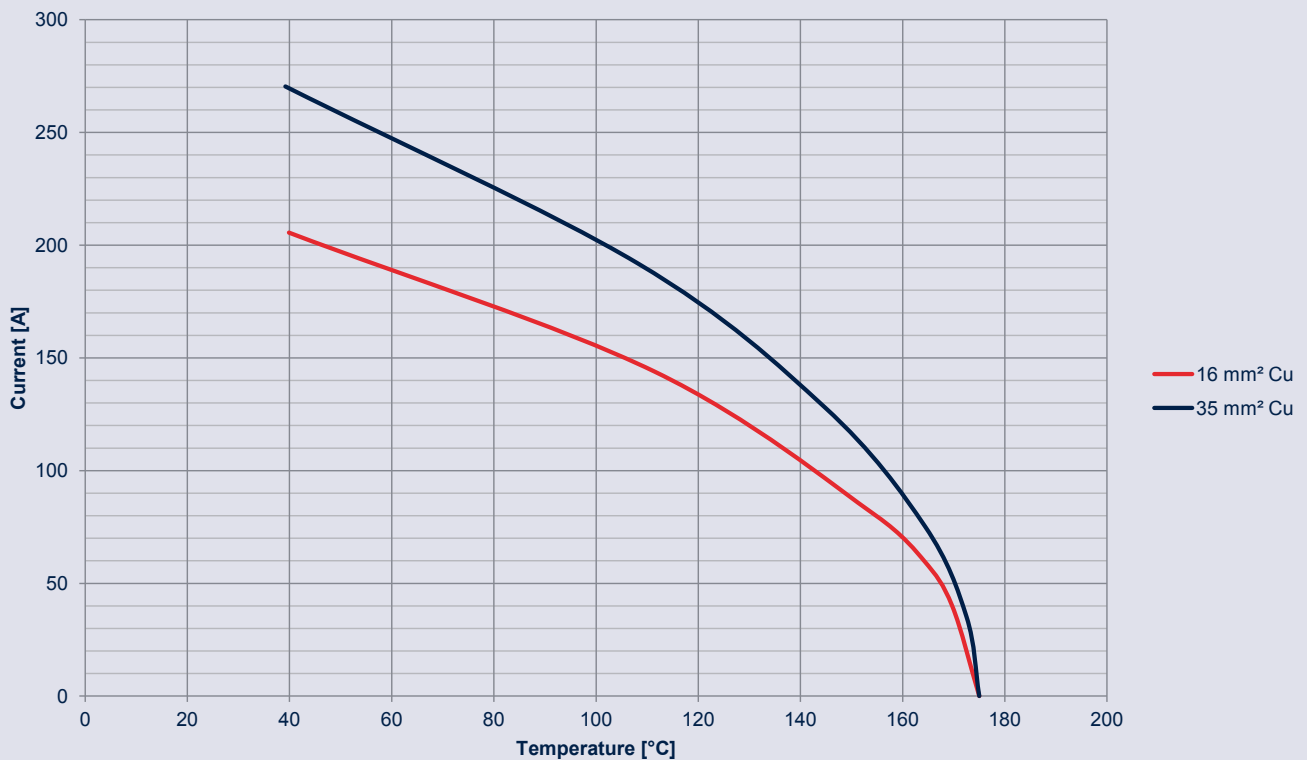
## Interface Dimensions HVR<sup>®</sup>200

Code H2

Dimensions in mm



## Derating Graph HVR<sup>®</sup>200 acc. to DIN EN 60512-5-2



## Technical Data HVR<sup>®</sup>200

### Code H2

<b>Electrical data</b>	
Insulation resistance	≥ 200 MΩ
Voltage class	2
Contact resistance (current)	≤ 0.78 mΩ
Contact resistance (EMV)	≤ 10 mΩ
Ampacity for 35 mm <sup>2</sup>	190 A at 105°C acc. to DIN EN 60512-5-2
Test voltage	2700 V DC
Working voltage	750 V DC
EMI (shielding effectiveness)	< 5 mΩ/m at 2 MHz < 10 mΩ/m at 30 MHz
High Voltage Interlock (HVIL)	available, Power pins min 1mm advanced
<b>Mechanical data</b>	
Mating cycles	≥ 50
Engagement force torque	≤ 4.0 Nm ±0.4 Nm pre engagement force < 75 N
Coding efficiency	≥ 300 N
Cable cross sections	16 mm <sup>2</sup> , 25 mm <sup>2</sup> , 35 mm <sup>2</sup> (on request)
Cable connection angle	180°
Vibration class	LV215 PG17-II
IP class (mated)	IP6K9K/ IPX8/ IPXXD
IP class (unmated)	IPXXB
Touch proof	acc. to DIN EN 60529
<b>Environmental data</b>	
Temperature range	-40 °C to +140 °C
RoHS	compliant
<b>Design characteristics</b>	
Straight and right angle options on header side	
Straight version on jack side only	
Color coded caps per cable size	

Limitations are possible due to the used cable type.

### Fields of Application









- ▶ Battery connection
- ▶ BDU
- ▶ Inverter





### Interface Drawing

- ▶ RN\_081-01

## Coding

HVR<sup>®</sup>200

Coding	Jack	Color/ RAL-Nr.
A		Black/ 9005 
B		White/ 9010 
C		Blue/ 5012 
Z		Waterblue/ 5021 

Coding	Plug
A	
B	
C	
Z	

### Color specification

Colors of the plastic housings are in accordance with the listed RAL colors, minor color differences during manufacturing may occur.

## Cables

- ▶ FHLR2GCB2G 16 mm<sup>2</sup> / 0.21; LV 216-2
- ▶ FHLR2GCB2G 25 mm<sup>2</sup> / 0.21; LV 216-2
- ▶ FHLR2GCB2G 35 mm<sup>2</sup> / 0.21; LV 216-2

