

HVR[®]200

Rosenberger HVR[®]200 connectors are characterized by their high current carrying capacity of 210 A at 85 °C and their small dimensions. These two-pin connectors can be used as connecting elements between a battery and an inverter and can also be installed in power distribution units. The portfolio includes an angled or straight header as well as a straight cable coupler to suit the relevant installation/usage requirements.

Technical Properties

- Vibration class II acc. to LV215, PG17
- IP class mated acc. to IP6K9K / IPXXD / IPX8
- IP class unmated acc. to IPXXB

Features and Benefits

- Best dimension-performance ratio
- With HVIL
- Cable connectors and header

Applications













- Battery connection
- BDU
- Inverter

Cables

- FHLR2GCB2G 16 mm² / 0.21 mm
- FHLR2GCB2G 25 mm² / 0.21 mm
- FHLR2GCB2G 35 mm² / 0.21 mm

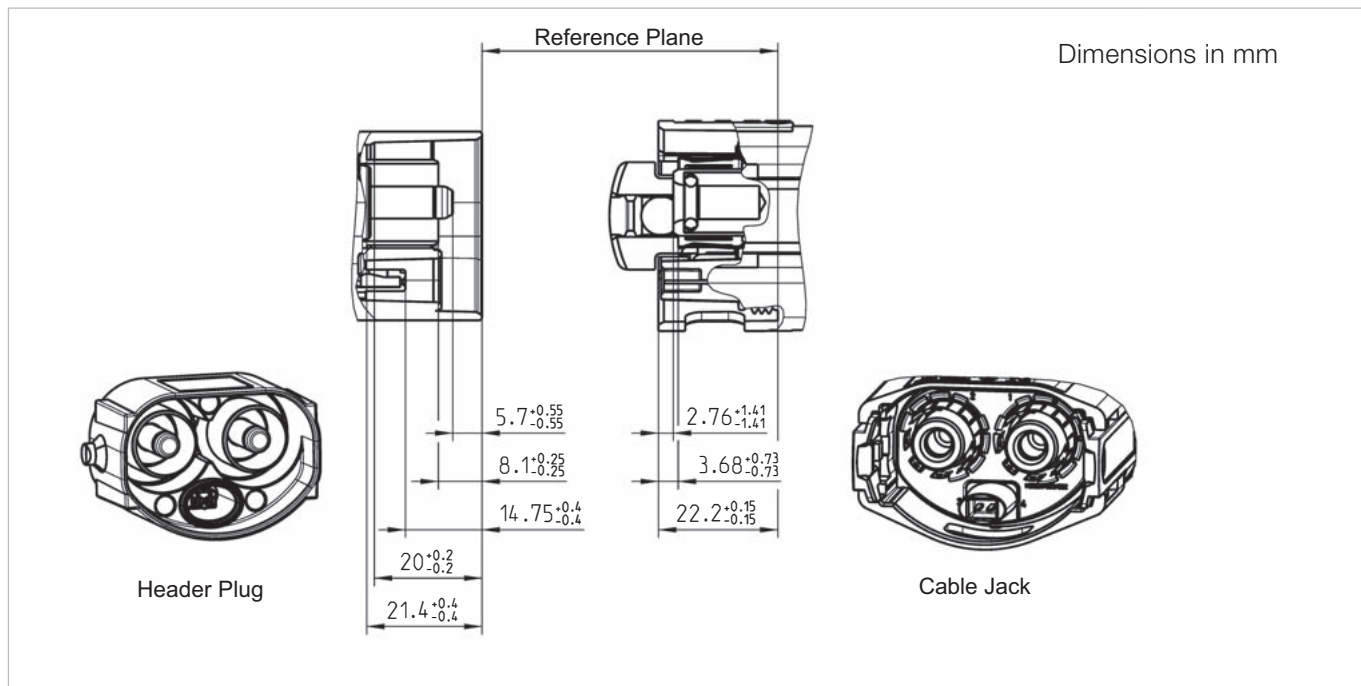


Coding HVR[®]200

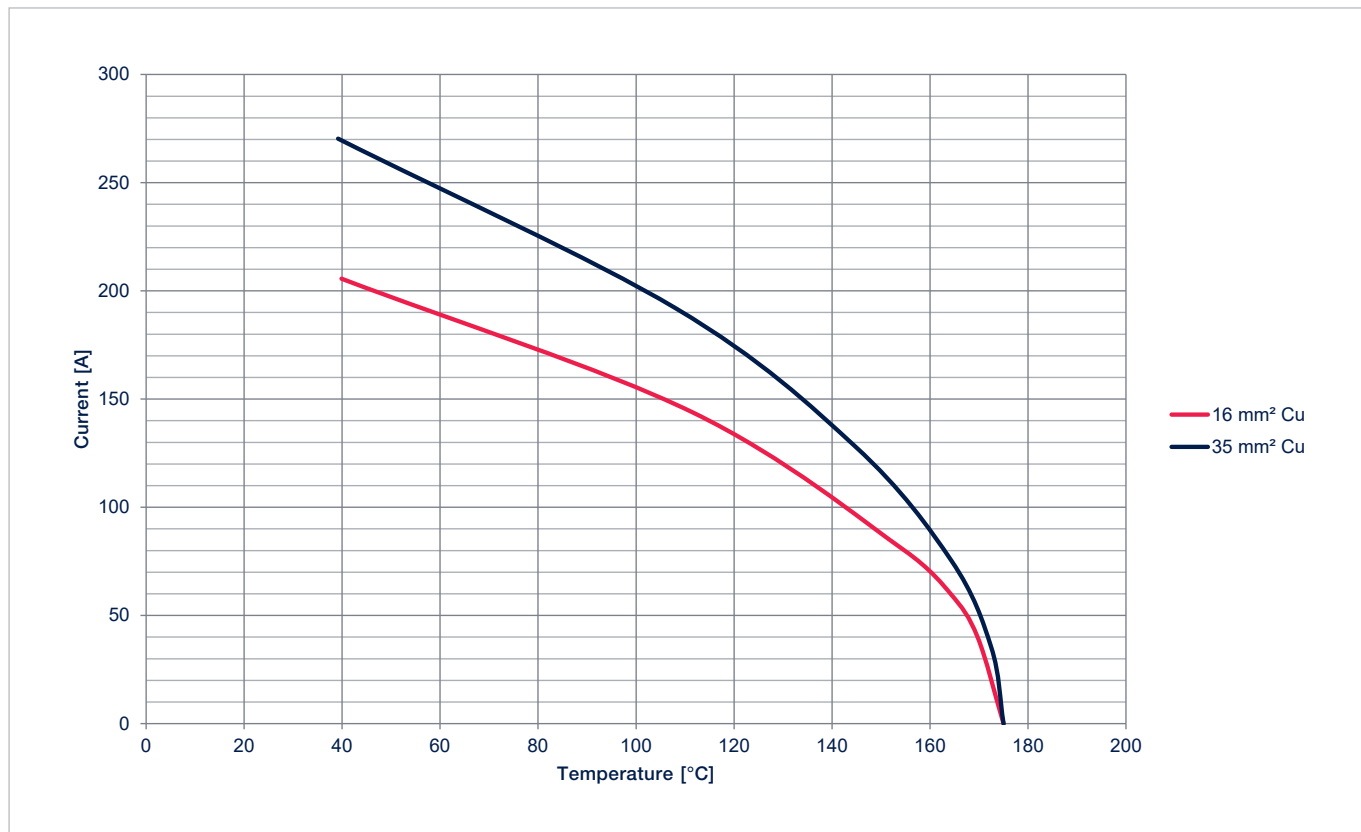
Coding	Color/RAL-No. (Similar)		Jack	Plug
A	Black/ 9005			
B	White/ 9010			
C	Blue/ 5012			
Z	Waterblue/ 5021			

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

Interface Dimensions HVR[®]200 (Code H2)



Derating Graph HVR[®]200 acc. to DIN EN 60512-5-2



Technical Data HVR®200 (Code H2)

Applicable Standards

Interface according to	Rosenberger RN_087-01 Rosenberger RN_087-03 Rosenberger RN_087-06
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Electrical Data

Insulation resistance	≥ 200 MΩ
Voltage class	B 60 V DC < U ≤ 1500 V DC
Center contact resistance	≤ 0.26 mΩ
Outer contact resistance	≤ 10 mΩ
Current capacity for 35 mm ²	210 A at 85 °C
Test voltage	2700 V DC
Working voltage	750 V DC
High-Voltage Interlock (HVIL)	yes power pins min. 1 mm advanced

Mechanical Data

Mating cycles	≥ 50
Engagement force	< 75 N
Coding efficiency	300 N
Cable cross sections	16 mm ² , 25 mm ² , 35 mm ²
Cable connection angle	180°
Vibration class	LV215 PG17 – II
IP class (mated)	IP6K9K / IPXXD / IPX8
IP class (unmated)	IPXXB

Environmental Data

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

Rosenberger connectors fulfill in principle the indicated data of the technical data. Individual values of connectors may deviate depending upon application, design, type of cable, assembly method and execution. Specific data sheets for particular products can be provided on request from your Rosenberger sales partner.