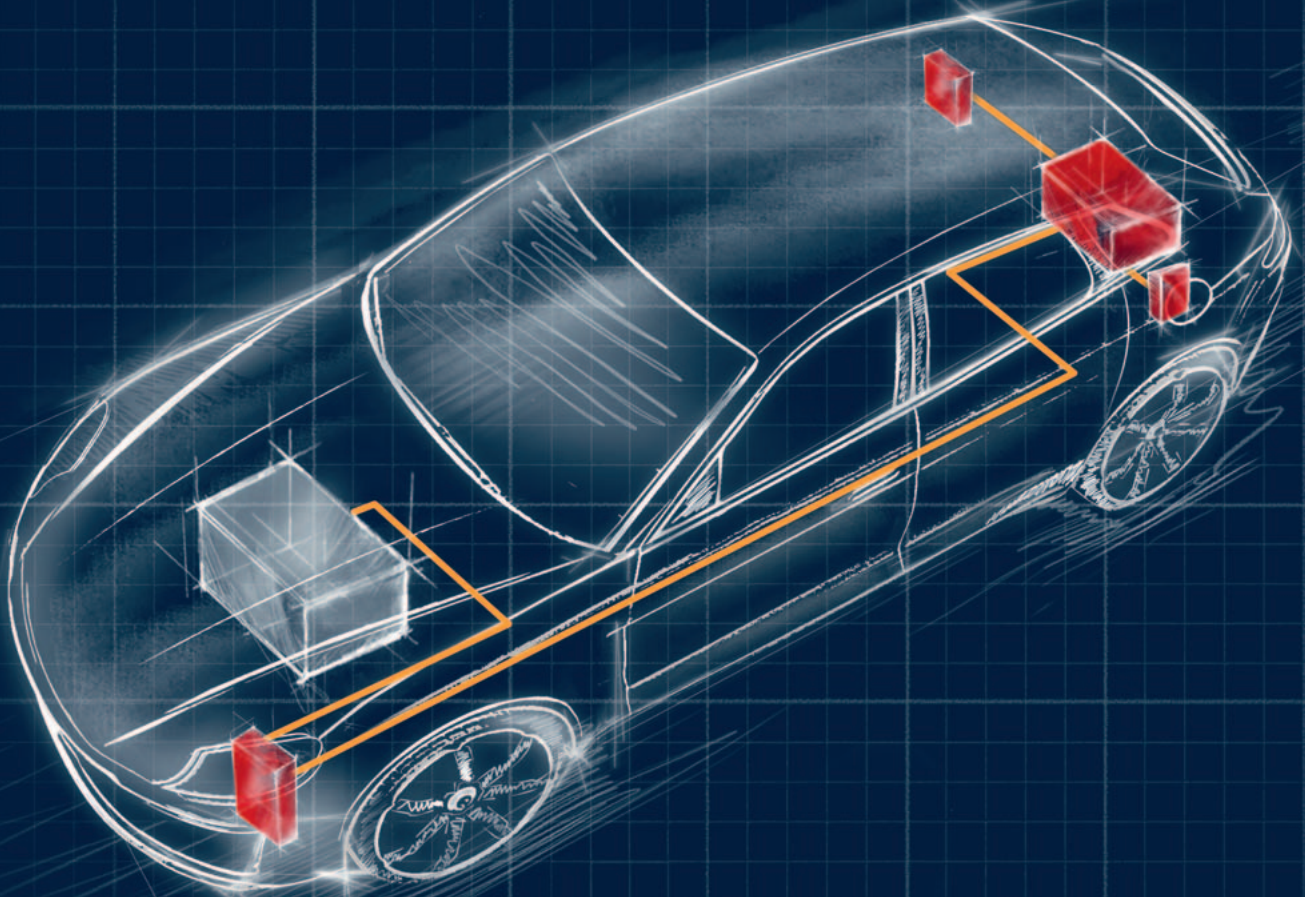


High Voltage Contact and Connector Systems for Electric and Hybrid Vehicles





A Synonym for Quality and Innovation.

On the following pages we present the complex and wide range of innovative high voltage products for power transmission in electric- and hybrid vehicles, developed in our Automotive Business Area.



| | |
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Our Rosenberger Online Catalog contains the current standard product range with specific details, including data sheets, assembly instructions and panel piercings.



catalog.rosenberger.com

Competencies & Technology

Rosenberger's mission is to be recognized as an innovation and technology leader within its business segments. The most modern manufacturing technologies, the highest possible levels of efficiency in production and continuous development are our core competencies guaranteeing not only fast delivery and strict adherence to delivery dates, but also the highest level in production quality.





Research & Development

Scientifically-based high frequency know-how enables us to continuously improve existing products and to design innovative products and solutions whether standard or customer-specific. Numerous patents are a proof of Rosenberger's leadership as a creative and innovative partner.

Assembly

As a global supplier of high frequency, fiber optic and power connectivity solutions, Rosenberger operates manufacturing and assembly locations around the world which produce connectors, cable assemblies, cable fabrication and components for the automotive industry.

Production

Rosenberger is proud to offer as much in-house production as possible whether on RF, power or fiber optic components or at a system level. This includes leading edge production equipment, automated assembly lines and quality and cost-effective solutions, all working within a streamlined process.

Plating Technology

Whether corrosion protection, optimized conductivity or other technical and physical features, our components are quickly and flexibly electroplated in our in-house electroplating plant.

Injection Molding

The most modern machinery and methods as well as the use of special materials and components form the basis for precision and durability of our tools and products. Rosenberger is able to process all available high-performance plastics.

Quality and Environment

The quality of our products, solutions and services is an essential part of our corporate strategy.

Rosenberger's quality philosophy is not just to optimise components and products, but to continuously improve and optimise all processes to ensure customer satisfaction: From product development, planning, procurement, production, sales, logistics and services to environmental policy. In summary, to offer maximum benefits to our customers all over the world. Our quality responsibility includes being proactive in protecting our environment and natural resources. We endeavour to avoid any environmental pollution, even beyond the requirements of legal regulations whenever possible.

IMDS System

Rosenberger is registered with the IMDS system (Internationales MaterialDatenSystem der Automobilindustrie) since 2001. The products are fed systematically into the IMDS system.

www.IMDS.de





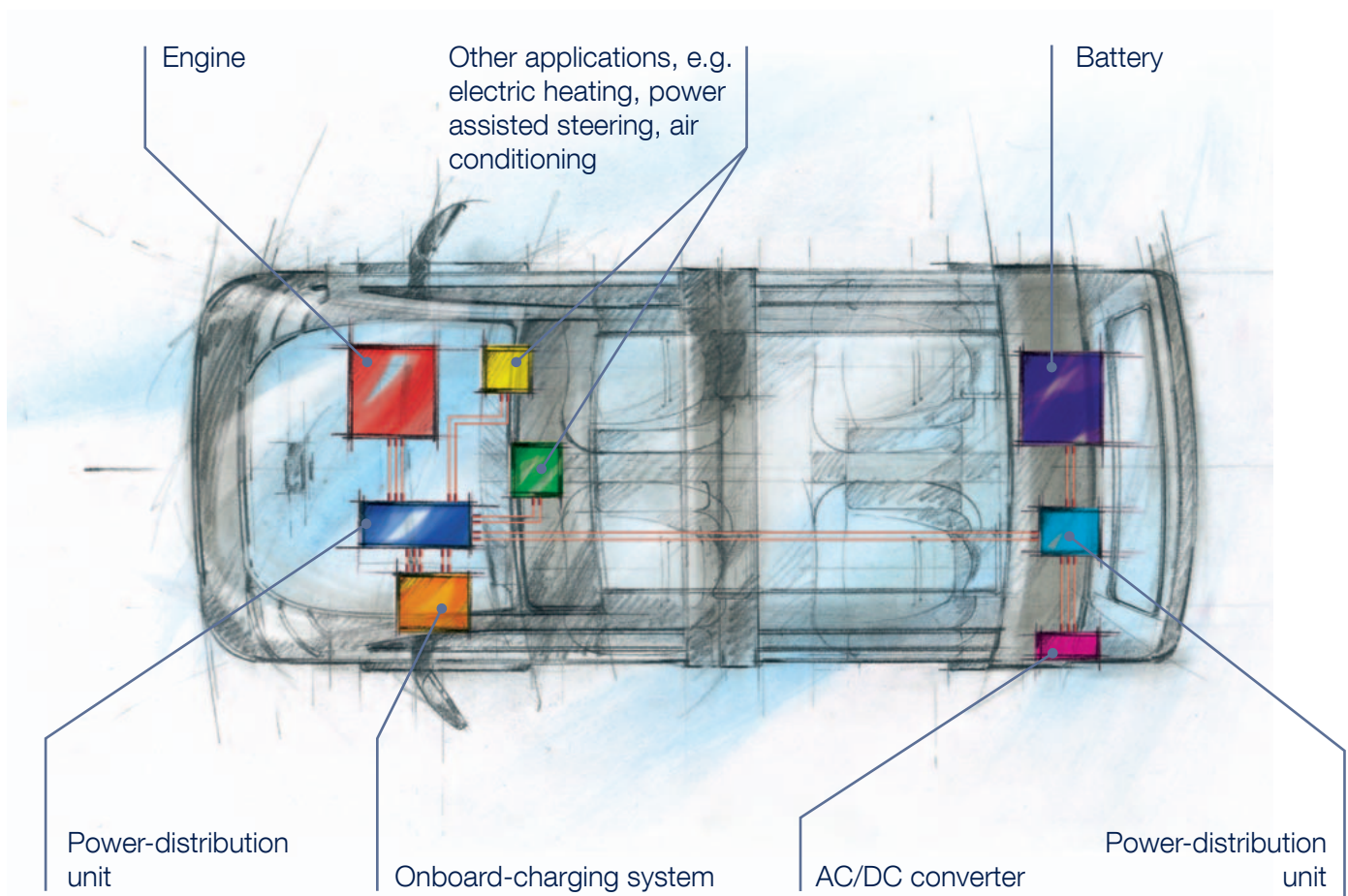
Rosenberger is one of the worldwide leading suppliers of controlled impedance and optical connectivity solutions, system components for mobile communications networks, data centers and test & measurement as well as high voltage contact systems.

Rosenberger is certified according to ISO/TS 16949, DIN EN 9100, ISO 9001, ISO 14001.

High Voltage Connectors

Rosenberger HV connectors - high voltage connectors – were developed especially for power transmission in electric- and hybrid vehicles. The harmonized connecting system consists of Rosenberger HV connectors for current loads up to 40 A and 350 A for cable diameters from 2 x 2.5 mm² to 95 mm² as well as power-distribution units for the arrangement of customer-specific assembly formations. Main focus in the development of High Voltage connectors was set on lowest contact resistances with optimized EMI performance characteristics.

Rosenberger is a competent development partner for the integration of connector solutions and customer specific solutions with the highest quality and best performance, still meeting customer price targets.



Spring Leaf Technology

The Rosenberger High Voltage connection and accessory portfolio is based on a spring leaf technology.

This spring leaf technology provides multiple contact points to achieve lowest contact resistances in the transition area and a high current performance. With silver plated contact pins and direct contact to press in rings best EMI performance can be achieved even after severe conditions of aging compared to direct contact methods to casted material. Due to the multiple connection points to both sides (inner and outer connection diameters) good vibration levels can be achieved.

Rosenberger offers detailed assembly instructions and values for cable side and unit side (Copper & Aluminium cable variants depending on the connector type). In any case touch proof protection acc.to DIN EN 60529 is ensured for any variant. Waterproofness is ensured acc. to IP Codes IP6K9K, IP68. HVIL (high voltage interlock) systems ensure to achieve best safety conditions for the operator.

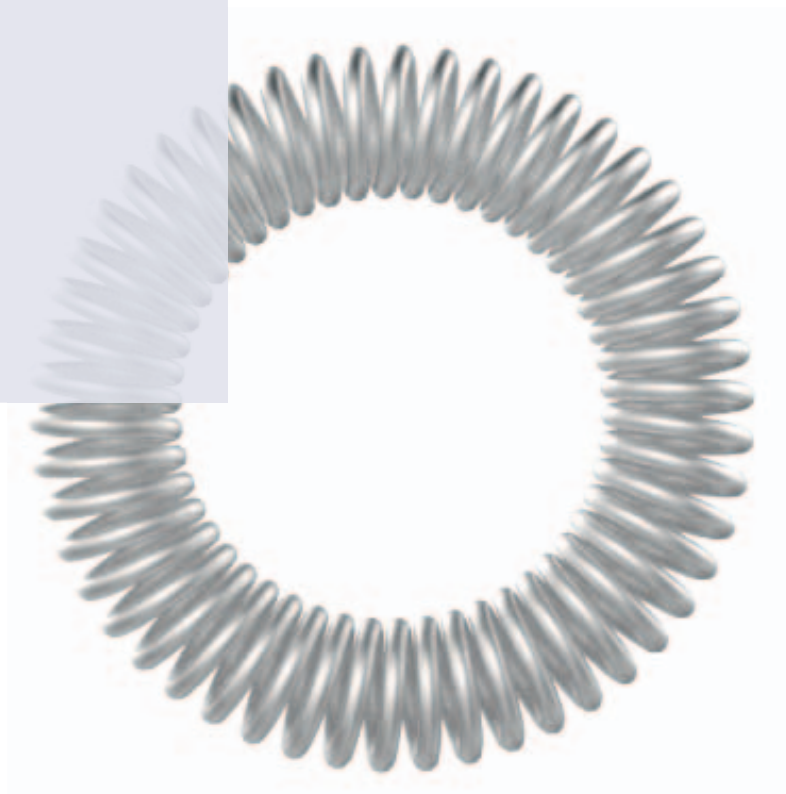
The spring leaf technology ensures nearly constant forces over a wide range of working deflections. Large mating tolerances and temperature changes can be compensated without significant deviation from it's initial forces.

Performance

- ▶ Multiple contact points
- ▶ Low contact resistance
- ▶ Low mating force
- ▶ Different diameters available
- ▶ Constant force diagramm

Advantages

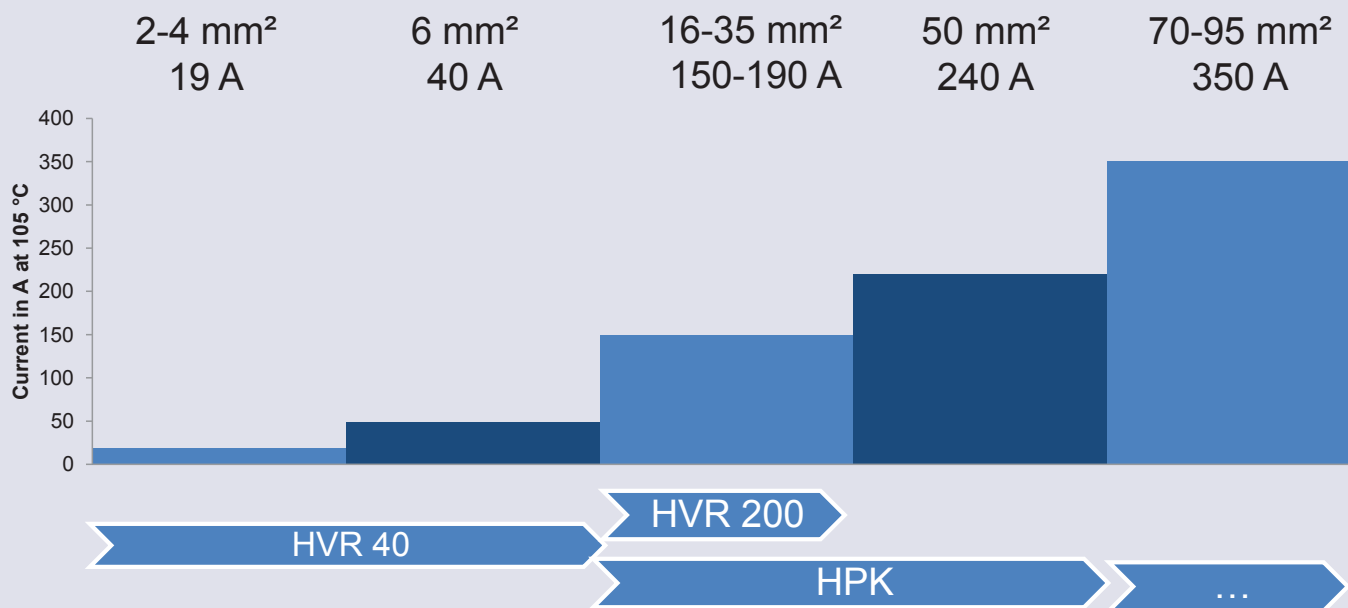
- ▶ High ampacity
- ▶ Low internal heating
- ▶ Easy assembly
- ▶ Less space necessary
- ▶ High tolerance compensation



High Voltage Connectors

High Voltage Portfolio

- ▶ HVR[®]40 – high-voltage connectors for applications up to 40 A
- ▶ HVR[®]200 – high-voltage connectors for applications up to 190 A
- ▶ HPK – high power contact for applications up to 240 A
- ▶ HVR Fuses – exchangeable
- ▶ Customer Specific Solutions
- ▶ Direct Contact Connector Systems
- ▶ Power Distribution Units



High Voltage Connectors

Rosenberger Number Code

HV Connectors

| H2 | K | 1 | 01 - | W | 2 | A | 035 | B1 | -A |
|---------------------|---|---|------|---|---|---|-----|----|---|
| | | | | | | | | | Coding |
| | | | | | | | | | Plating |
| | | | | | | | | | Cable size specified in mm ² |
| | | | | | | | | | Code cable group |
| | | | | | | | | | Number of center contacts |
| | | | | | | | | | Backend type |
| | | | | | | | | | 0 screw version outer and center contact |
| | | | | | | | | | 1 crimped outer and center contact |
| | | | | | | | | | 2 mated outer contact - screwed center contact |
| | | | | | | | | | 5 press-fitted outer contact – crimped center contact |
| | | | | | | | | | 9 special types |
| | | | | | | | | | W crimped outer contact – welded center contact |
| | | | | | | | | | Serial number |
| | | | | | | | | | Configuration |
| | | | | | | | | | 1 straight |
| | | | | | | | | | 2 right angle |
| | | | | | | | | | Gender |
| | | | | | | | | | K jack |
| | | | | | | | | | S plug |
| Connector Series | | | | | | | | | |
| H2 HVR®200 | | | | | | | | | |
| H4 HPK | | | | | | | | | |
| HV HVR®40 | | | | | | | | | |
| H9 special products | | | | | | | | | |

High Voltage Connectors

Rosenberger Number Code

HVR Fuse

| H1 | K | 1 | 01 - | 2 | 2 | S | PC0 | B1 | -A |
|------------------|---|---|------|---|---|---|-----|----|-----------------------------|
| | | | | | | | | | Coding LF-Ampere rating |
| | | | | | | | | | A 10 A |
| | | | | | | | | | B 15 A |
| | | | | | | | | | C 20 A |
| | | | | | | | | | D 30 A |
| | | | | | | | | | E 40 A |
| | | | | | | | | | Plating |
| | | | | | | | | | PC PEC (Automotive EV-Fuse) |
| | | | | | | | | | LF Little Fuse |
| | | | | | | | | | S fuse |
| | | | | | | | | | Number of center contacts |
| | | | | | | | | | Backend type |
| | | | | | | | | | Serial number |
| | | | | | | | | | Configuration |
| | | | | | | | | | 1 straight |
| | | | | | | | | | 2 right angle |
| | | | | | | | | | Gender |
| | | | | | | | | | K jack |
| | | | | | | | | | S plug |
| Connector Series | | | | | | | | | |
| H1 HV Fuse | | | | | | | | | |

Rosenberger Number Code

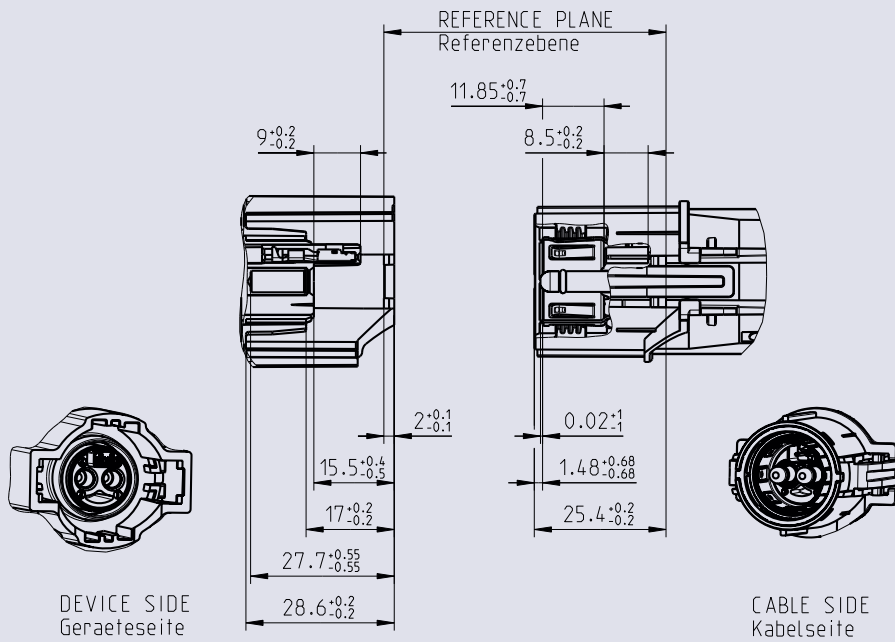
HV Device Socket (header)

| | | | | | | | |
|------------|----------|------------|----------|-----------|------------|-----------|---------------------------------|
| HVL | 1 | 02- | 5 | B- | 002 | B1 | -A |
| | | | | | | | Coding |
| | | | | | | | Plating |
| | | | | | | | Serial number |
| | | | | | | | Cable dimension |
| | | | | | | | 0 no cable |
| | | | | | | | A 2.5 mm ² |
| | | | | | | | B 4 mm ² |
| | | | | | | | C 6 mm ² |
| | | | | | | | D 16 mm ² |
| | | | | | | | E 25 mm ² |
| | | | | | | | F 35 mm ² |
| | | | | | | | G 50 mm ² |
| | | | | | | | H 70 mm ² |
| | | | | | | | J 90 mm ² |
| | | | | | | | Backend type |
| | | | | | | | Serial number |
| | | | | | | | Configuration |
| | | | | | | | 1 straight |
| | | | | | | | 2 right angle |
| | | | | | | | Series |
| | | | | | | | HVL HVR [®] 40 header |
| | | | | | | | H2L HVR [®] 200 header |
| | | | | | | | H4L HPK header |

Interface Dimensions HVR[®]40

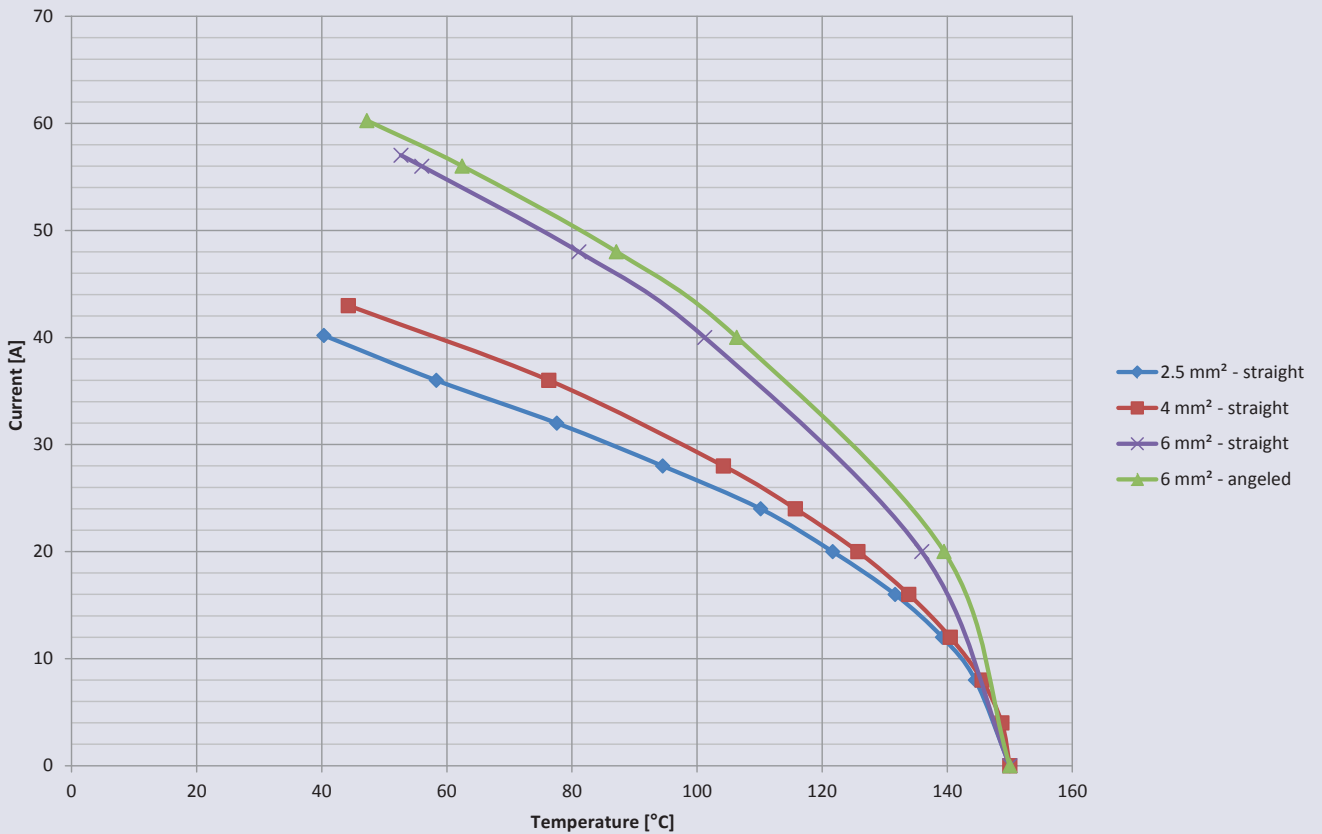
Code HV

Dimensions in mm



Derating Graph HVR[®]40 acc. to DIN EN 60512-5-2

2.5 mm², 4 mm², 6 mm² cables



Technical Data HVR[®]40

Code HV

| Electrical data | |
|---|---|
| Insulation resistance | ≥ 200 MΩ |
| Voltage class | B 60 V DC < U ≤ 1500 V DC 25 V AC < U ≤ 1000 V AC |
| Contact resistance (current) | ≤ 1.36 mΩ |
| Contact resistance (EMV) | ≤ 10 mΩ |
| Ampacity for 6 mm ² | 40 A at 105°C acc. to DIN EN 60512-5-2 |
| Test voltage | 2700 V DC |
| Working voltage | 750 V DC |
| EMI (shielding effectiveness) | 70 dB (10 kHz – 5 MHz) 65 dB (5 MHz – 500 MHz) |
| High Voltage Interlock (HVIL) | available |
| Mechanical data | |
| Mating cycles | ≥ 50 |
| Engagement force | ≤ 100 N |
| Coding efficiency | ≥ 280 N |
| Cable cross sections | 2.5 mm ² , 4 mm ² , 6 mm ² |
| Vibration class | LV215 PG17-II |
| IP class (mated) | IP6K9K / IPX8 / IPXXD |
| IP class (unmated) | IPXXB |
| Touch proof | acc. to DIN EN 60529 |
| Environmental data | |
| Temperature range | -40 °C to +140 °C |
| RoHS | compliant |
| Design characteristics | |
| 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









- ▶ On board charger
- ▶ E-heater
- ▶ E-compressor

Interface Drawing

- ▶ RN_079-01

Coding

HVR[®]40

| Coding | Jack | Coding | Plug | Color/ RAL-Nr. |
|--------|---|--------|---|-------------------|
| A |  | A |  | Black/ 9005 |
| B |  | B |  | Black/ 9005 |
| C |  | C |  | Black/ 9005 |
| D |  | D |  | Black/ 9005 |

Color specification

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






Cables

- ▶ FHLR2GCB2G 2 x 2,5 mm²; LV 216-2
- ▶ FHLR2GCB2G 2 x 4,0 mm²; LV 216-2
- ▶ FHLR2GCB2G 2 x 6,0 mm²; LV 216-2



Products

HVR[®]40 Connectors

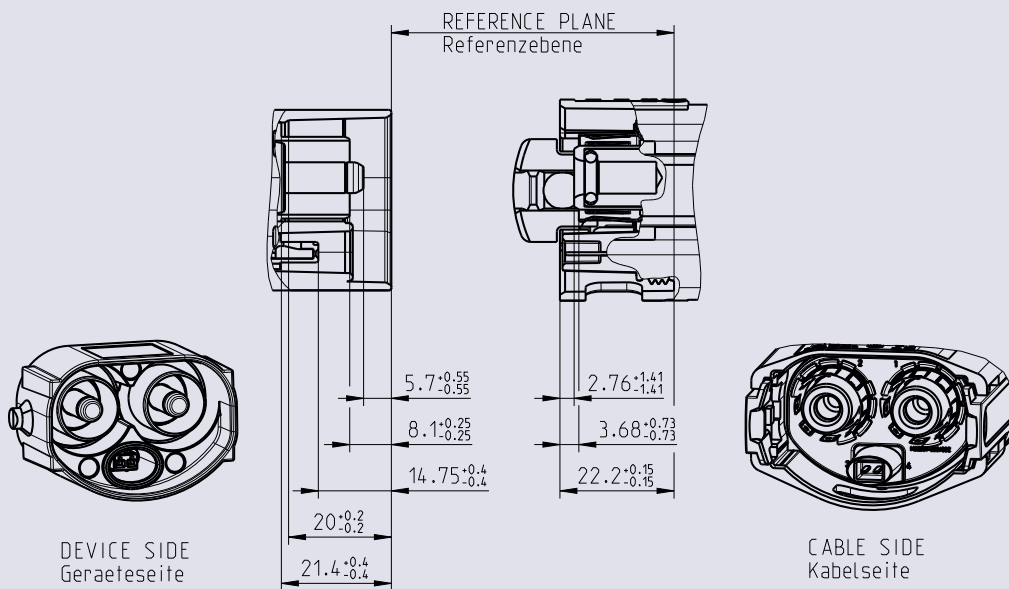
| Rosenberger No. | Remarks | Cable | Assembly Instruction | |
|-------------------|--|---------------------|----------------------|---|
| HVK102-12A002B1-Y | straight jack 2-pole waterproof separate in piece parts acc. to data sheet | 2.5 mm ² | MA_HV0004 |  |
| HVK102-12A004B1-Y | | 4 mm ² | | |
| HVK102-12A006B1-Y | | 6 mm ² | | |
| HVK201-12A002B1-Y | right angle jack 2-pole waterproof separate in piece parts acc. to data sheet | 2.5 mm ² | MA_HV0007 |  |
| HVK201-12A004B1-Y | | 4 mm ² | | |
| HVK201-12A006B1-Y | | 6 mm ² | | |
| HVL102-5A-001B1-Y | header, 4 screw holes customized backsides on request | 2.5 mm ² | MA_HV0010 |  |
| HVL102-5B-001B1-Y | | 4 mm ² | | |
| HVL102-5C-001B1-Y | | 6 mm ² | | |
| 170-097-00005 | protection cap for header applicable for all socket variants | | |  |
| 170-097-00000 | protection cap for jack applicable for all variants | | |  |

-Y: please fill-in requested coding

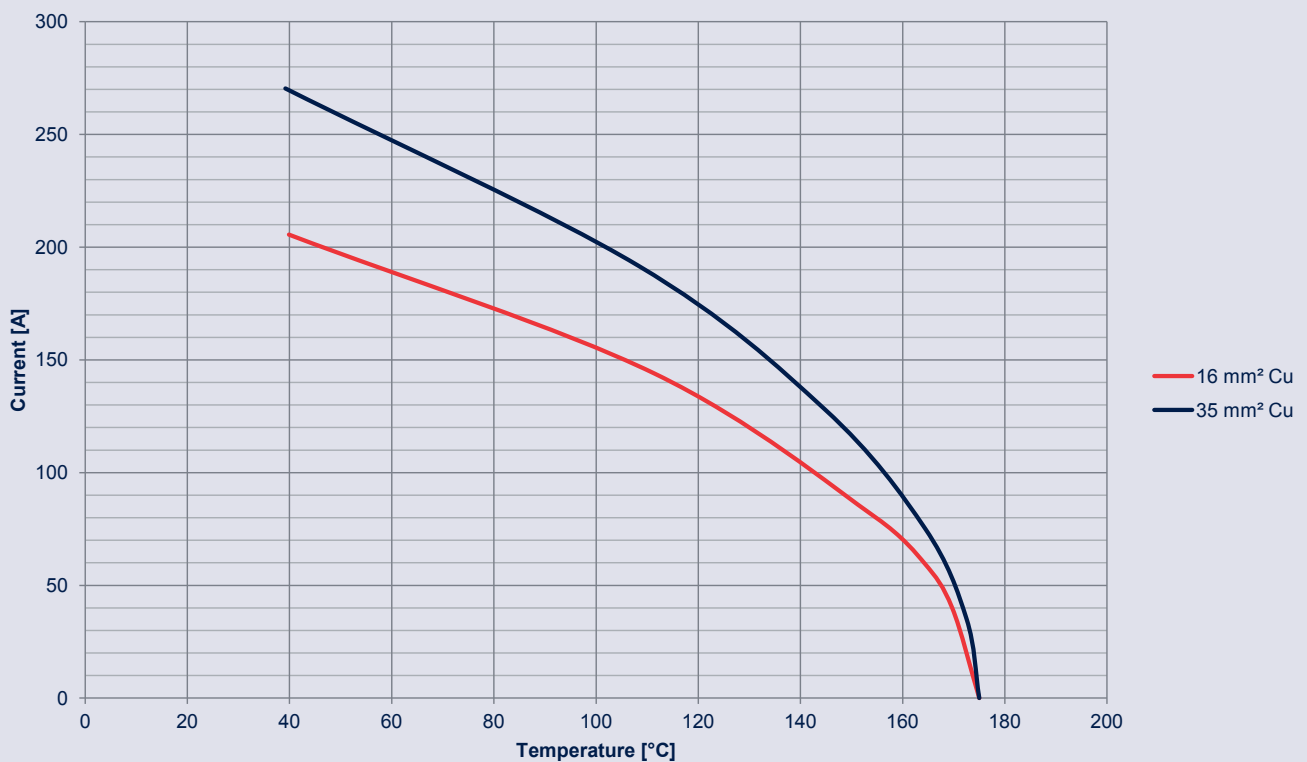
Interface Dimensions HVR[®]200

Code H2

Dimensions in mm



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



Technical Data HVR[®]200

Code H2

| Electrical data | |
|---|---|
| Insulation resistance | ≥ 200 MΩ |
| Voltage class | B 60 V DC < U ≤ 1500 V DC 25 V AC < U ≤ 1000 V AC |
| Contact resistance (current) | ≤ 0.78 mΩ |
| Contact resistance (EMV) | ≤ 10 mΩ |
| Ampacity for 35 mm ² | 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 |
| Mechanical data | |
| 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 ² , 35 mm ² |
| 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 |
| Environmental data | |
| Temperature range | -40 °C to +140 °C |
| RoHS | compliant |
| Design characteristics | |
| 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[®]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 mm² / 0.21; LV 216-2
- ▶ FHLR2GCB2G 25 mm² / 0.21; LV 216-2
- ▶ FHLR2GCB2G 35 mm² / 0.21; LV 216-2



Products



HVR[®]200 Connectors

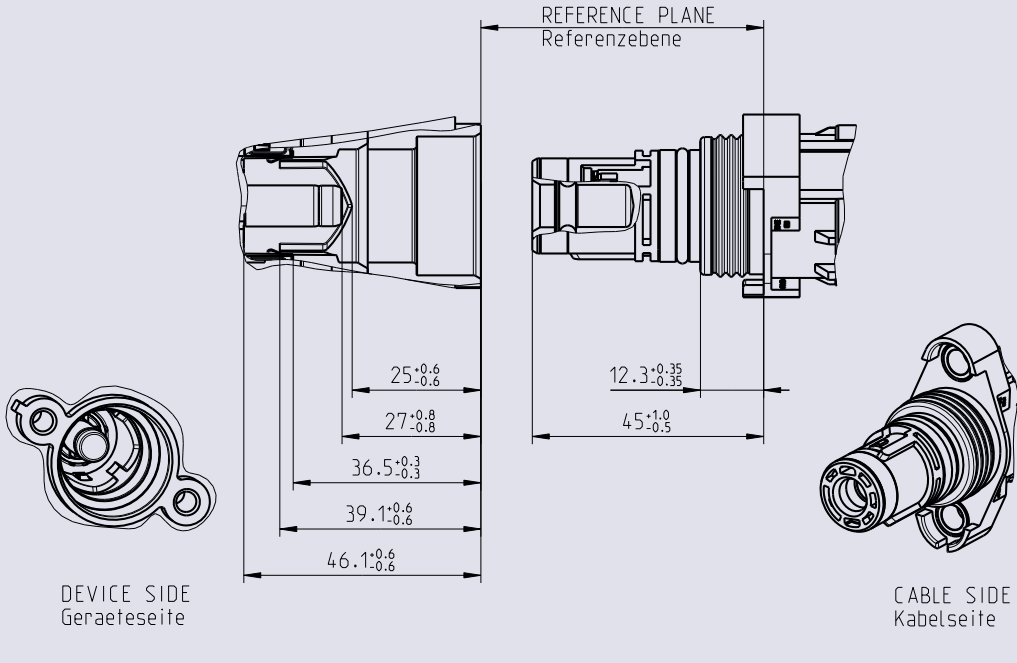
| Rosenberger No. | Remarks | Cable | Assembly Instruction | |
|-------------------|---|--------------------|-----------------------------------|---|
| H2K101-W2A016B1-Y | straight jack 2-pole waterproof code A available, other codes on request | 16 mm ² | HV_0005 RN_087-01 RN_087-06 |  |
| H2K101-W2A025B1-Y | straight jack 2-pole waterproof on request | 25 mm ² | | |
| H2K101-W2A035B1-Y | straight jack 2-pole waterproof code A available, other codes on request | 35 mm ² | | |
| 170-099-00005 | protection cap jack for H2K101-W2AxxxB1-A *xxx cable size | | |  |
| H2S101-02-000B1-Y | straight plug 2-pole waterproof (header) | | MA_HV0017 MB_448 |  |
| H2S204-02-000B1-Y | right angle plug 2-pole waterproof (header) | | MA_HV0017 MB_448 |  |

-Y: please fill-in requested coding

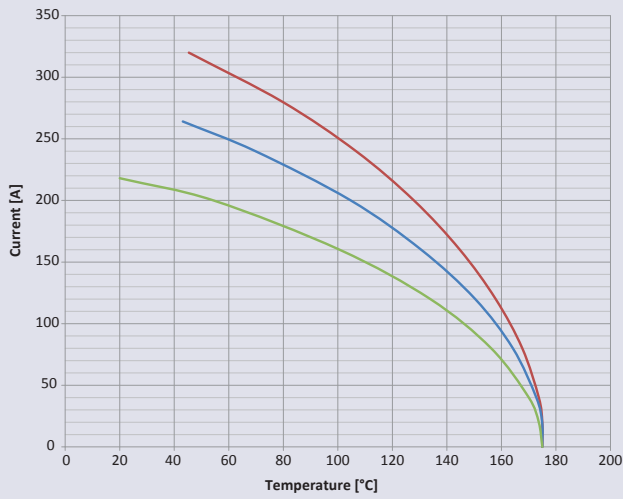
Interface Dimensions HPK

Code H4

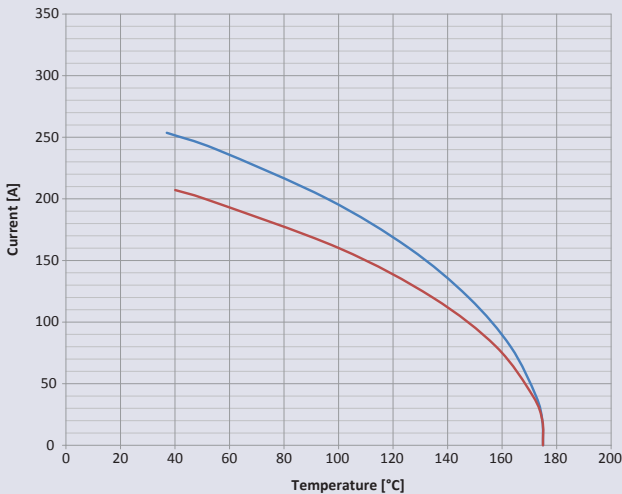
Dimensions in mm



Derating Graph HPK acc. to DIN EN 60512-5-2



HPK Copper Cables



HPK Aluminum Cables

Technical Data HPK

Code H4

| Electrical data | |
|--|---|
| Insulation resistance | ≥ 200 MΩ |
| Voltage class | B 60 V DC < U ≤ 1500 V DC 25 V AC < U ≤ 1000 V AC |
| Contact resistance (current) | ≤ 0.72 mΩ @ 50 mm ² |
| Contact resistance (EMV) | ≤ 10 mΩ |
| Ampacity for 50 mm ² | 240 A at 105°C acc. to DIN EN 60512-5-2 |
| Test voltage | 2700 V DC |
| Working voltage | 1000 V DC |
| EMI (shielding effectiveness) | 70 dB (10 kHz – 5 MHz) 65 dB (5 MHz – 500 MHz) |
| High Voltage Interlock (HVIL) | available |
| Mechanical data | |
| Mating cycles | ≥ 50 |
| Engagement force | 1pin: < 75 N 2pin: < 100 N |
| Cable cross sections copper | 16 mm ² , 25 mm ² , 35 mm ² , 50 mm ² |
| Cable cross sections aluminum | 35 mm ² , 50 mm ² |
| Coding efficiency | ≥ 300 N |
| 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 |
| Environmental data | |
| Temperature range | -40 °C to +140 °C |
| RoHS | compliant |
| Design characteristics | |
| 1-3 (1+2) pole connectors | |
| 2 screw mounting | |
| Mounting hole- and coding-system | |
| Locking device on harness-side connector acc. to AK standards (VV) | |

Limitations are possible due to the used cable type.
For packing information see data sheets of piece parts.

Fields of Application

- ▶ Battery connection
- ▶ Inverter
- ▶ E-machine

Interface Drawing

- ▶ RN_084-01

Coding

HPK

| Coding | | Coding | Jack | Color/ RAL-Nr. |
|--------|---|--------|---|--------------------|
| Z |  | A |  | Red/ 3001 |
| Z |  | B |  | Black/ 9005 |
| Z |  | C |  | Waterblue/ 5021 |

Color specification

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

Cables

Copper

- ▶ FHLR2GCB2G 16 mm² / 0.21; LV 216-2
- ▶ FHLR2GCB2G 25 mm² / 0.21; LV 216-2
- ▶ FHLR2GCB2G 35 mm² / 0.21; LV 216-2
- ▶ FHLR2GCB2G 50 mm² / 0.21; LV 216-2

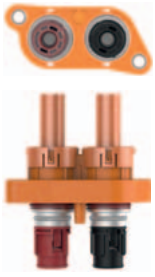









Aluminum

- ▶ FHLALR2GCB2G 35 mm²; LV 216-2
- ▶ FHLALR2GCB2G 50 mm²; LV 216-2



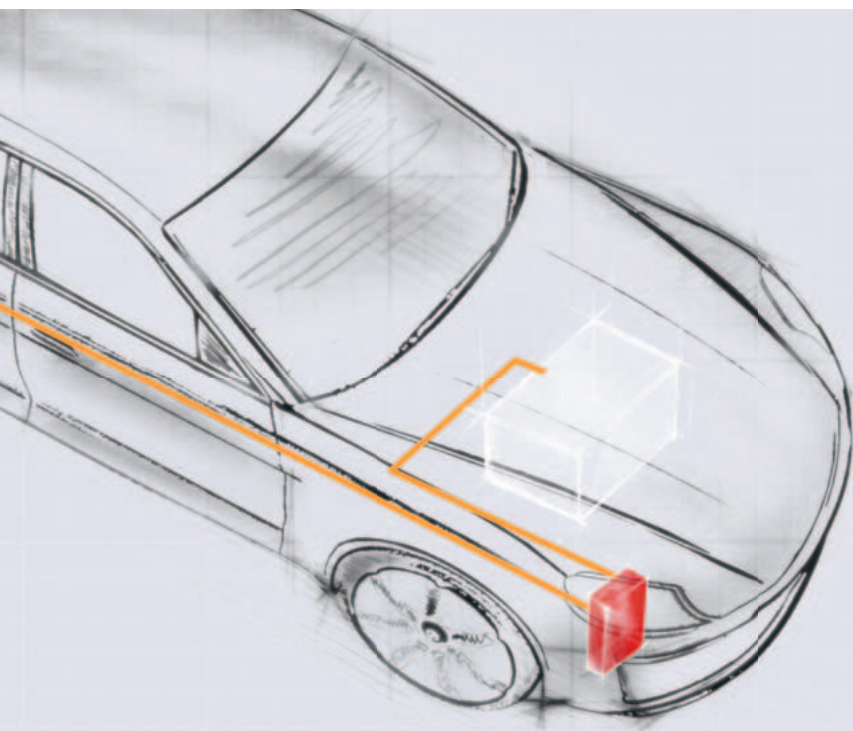
Coding

HPK

| Coding | | Coding | Jack | Color/ RAL-Nr. | |
|--------|--|--------|--|--------------------|--|
| B |  | B |  | Black/ 9005 |  |
| | | A |  | Red/ 3001 |  |
| C |  | B |  | Black/ 9005 |  |
| | | C |  | Waterblue/ 5021 |  |

Color specification

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





HPK Connectors with HVIL

| Rosenberger No. | Remarks | Cable | Assembly Instruction | |
|--------------------|--|--------------------|-------------------------------------|---|
| H4K111-W1U016B1-YY | straight jack 1-pole with HVIL | 16 mm ² | MA_HV0008 RN_087-01 RN_087-04 |  |
| H4K111-W1U025B1-YY | | 25 mm ² | | |
| H4K111-W1U035B1-YY | | 35 mm ² | | |
| H4K111-W1U050B1-YY | | 50 mm ² | | |
| H4K111-W2U016B1-Y | straight jack 2-pole with HVIL | 16 mm ² | MA_HV0022 RN_087-01 RN_087-04 |  |
| H4K111-W2U025B1-Y | | 25 mm ² | | |
| H4K111-W2U035B1-Y | | 35 mm ² | | |
| H4K111-W2U050B1-Y | | 50 mm ² | | |
| H4K109-W1U016B1-YY | straight jack 1-pole screw locking feature with HVIL | 16 mm ² | MA_HV0008 RN_087-01 RN_087-04 |  |
| H4K109-W1U025B1-YY | | 25 mm ² | | |
| H4K109-W1U035B1-YY | | 35 mm ² | | |
| H4K109-W1U050B1-YY | | 50 mm ² | | |
| H4K109-W2U016B1-Y | straight jack 2-pole screw locking feature with HVIL | 16 mm ² | MA_HV0022 RN_087-01 RN_087-04 |  |
| H4K109-W2U025B1-Y | | 25 mm ² | | |
| H4K109-W2U035B1-Y | | 35 mm ² | | |
| H4K109-W2U050B1-Y | | 50 mm ² | | |
| H4S115-91-H00B-Y | header 1-pole with HVIL | | MA_HV0048 |  |
| H4S115-92-H00B-YY | header 2-pole with HVIL | | MA_HV0048 |  |
| 170-101-00000 | protection cap for jack applicable for all variants | | |  |

HVIL: High Voltage Interlock Contact

-Y: please fill-in requested coding

-YY: please fill-in requested coding

Products



HPK Connectors without HVIL

| Rosenberger No. | Remarks | Cable | Assembly Instruction | |
|--------------------|---|--------------------|-------------------------------------|---|
| H4K112-W1U016B1-YY | straight jack 1-pole without HVIL | 16 mm ² | MA_HV0008 RN_087-01 RN_087-04 |  |
| H4K112-W1U025B1-YY | | 25 mm ² | | |
| H4K112-W1U035B1-YY | | 35 mm ² | | |
| H4K112-W1U050B1-YY | | 50 mm ² | | |
| H4K112-W2U016B1-Y | straight jack 2-pole without HVIL | 16 mm ² | MA_HV0022 RN_087-01 RN_087-04 |  |
| H4K112-W2U025B1-Y | | 25 mm ² | | |
| H4K112-W2U035B1-Y | | 35 mm ² | | |
| H4K112-W2U050B1-Y | | 50 mm ² | | |
| H4K110-W1U016B1-YY | straight jack 1-pole screw locking feature without HVIL | 16 mm ² | MA_HV0008 RN_087-01 RN_087-04 |  |
| H4K110-W1U025B1-YY | | 25 mm ² | | |
| H4K110-W1U035B1-YY | | 35 mm ² | | |
| H4K110-W1U050B1-YY | | 50 mm ² | | |
| H4K110-W2U016B1-Y | straight jack 2-pole screw locking feature without HVIL | 16 mm ² | MA_HV0022 RN_087-01 RN_087-04 |  |
| H4K110-W2U025B1-Y | | 25 mm ² | | |
| H4K110-W2U035B1-Y | | 35 mm ² | | |
| H4K110-W2U050B1-Y | | 50 mm ² | | |
| H4S115-91-000B-Y | header 1-pole without HVIL | | MA_HV0048 |  |
| H4S115-92-000B-YY | header 2-pole without HVIL | | MA_HV0048 |  |
| 170-101-00000 | protection cap for jack applicable for all variants | | |  |

HVIL: High Voltage Interlock Contact

-Y: please fill-in requested coding

-YY: please fill-in requested coding

Technical Data HVR Fuse

Code H1

| Electrical data | |
|---|---|
| Insulation resistance | ≥ 200 MΩ |
| Voltage class | B 60 V DC < U ≤ 1500 V DC 25 V AC < U ≤ 1000 V AC |
| Contact resistance (current) | ≤ 1.36 mΩ |
| Contact resistance (EMV) | ≤ 10 mΩ |
| Ampacity for 6 mm ² | 40 A at 105°C acc. to DIN EN 60512-5-2 |
| Test voltage | 2700 V DC |
| Working voltage | 750 V DC |
| EMI (shielding effectiveness) | 70 dB (10 kHz – 5 MHz) 65 dB (5 MHz – 500 MHz) |
| High Voltage Interlock (HVIL) | available |
| Mechanical data | |
| Mating cycles | ≥ 50 |
| Engagement force | ≤ 100 N |
| Disengagement force | ≥ 50 N |
| Retention force latch | ≥ 500 N |
| Coding efficiency | ≥ 300 N |
| Cable cross sections | 2.5 mm ² , 4 mm ² , 6 mm ² |
| Vibration class | LV215 PG17-II |
| IP class (mated) | IP54 / IPXXD |
| IP class (unmated) | IPXXB |
| Touch proof | acc. to DIN EN 60529 |
| Environmental data | |
| Temperature range | -40 °C to +140 °C |
| RoHS | compliant |
| Design characteristics | |
| Locking by clamp | |
| HVR fuses can't be removed from fuse-housing | |
| No (special) tools necessary to change the Rosenberger HVR fuse | |

Limitations are possible due to the used cable type.

Fields of Application

- ▶ HV Safety




Interface Drawing

- ▶ RN_091-01

Products



HVR Fuse

| Rosenberger No. | Remarks | Assembly Instruction | |
|-------------------|--|----------------------|---|
| H1S101-92SLF0B1 | changeable fuse 30 A other fuses on request | |  |
| H1K101-12SLF0/91B | fuse header | MA_HV0021 |  |
| H1K101-12S040/02B | press in ring for header | RN_091-03 |  |

Little Fuse OHEVxxx.SXC (10 A, 20 A, 30 A, 40 A fuses available)

Rosenberger Numbers

| | |
|------------------------------|--------|
| 170-097-00000 | 17 |
| 170-097-00005 | 17 |
| 170-099-00005 | 21 |
| 170-101-00000 | 26, 27 |
| H1K101-12S040/02B | 29 |
| H1K101-12SLF0/91B | 29 |
| H1S101-92SLF0B1 | 29 |
| H2K101-W2A016B1-Y | 21 |
| H2K101-W2A025B1-Y | 21 |
| H2K101-W2A035B1-Y | 21 |
| H2S101-02-000B1-Y | 21 |
| H2S204-02-000B1-Y | 21 |
| H4K109-W1U016B1-YY | 26 |
| H4K109-W1U025B1-YY | 26 |
| H4K109-W1U035B1-YY | 26 |
| H4K109-W1U050B1-YY | 26 |
| H4K109-W2U016B1-Y | 26 |
| H4K109-W2U025B1-Y | 26 |
| H4K109-W2U035B1-Y | 26 |
| H4K109-W2U050B1-Y | 26 |
| H4K110-W1U016B1-YY | 27 |
| H4K110-W1U025B1-YY | 27 |
| H4K110-W1U035B1-YY | 27 |
| H4K110-W1U050B1-YY | 27 |
| H4K110-W2U016B1-Y | 27 |
| H4K110-W2U025B1-Y | 27 |
| H4K110-W2U035B1-Y | 27 |
| H4K110-W2U050B1-Y | 27 |
| H4K111-W1U016B1-YY | 26 |
| H4K111-W1U025B1-YY | 26 |
| H4K111-W1U035B1-YY | 26 |
| H4K111-W1U050B1-YY | 26 |
| H4K111-W2U016B1-Y | 26 |
| H4K111-W2U025B1-Y | 26 |
| H4K111-W2U035B1-Y | 26 |
| H4K111-W2U050B1-Y | 26 |
| H4K112-W1U016B1-YY | 27 |
| H4K112-W1U025B1-YY | 27 |
| H4K112-W1U035B1-YY | 27 |
| H4K112-W1U050B1-YY | 27 |
| H4K112-W2U016B1-Y | 27 |
| H4K112-W2U025B1-Y | 27 |
| H4K112-W2U035B1-Y | 27 |
| H4K112-W2U050B1-Y | 27 |
| H4S115-91-000B-Y | 27 |
| H4S115-91-H00B-Y | 26 |
| H4S115-92-000B-YY | 27 |
| H4S115-92-H00B-YY | 26 |
| HVK102-12A002B1-Y | 17 |
| HVK102-12A004B1-Y | 17 |
| HVK102-12A006B1-Y | 17 |
| HVK201-12A002B1-Y | 17 |
| HVK201-12A004B1-Y | 17 |
| HVK201-12A006B1-Y | 17 |
| HVL102-5A-001B1-Y | 17 |
| HVL102-5B-001B1-Y | 17 |
| HVL102-5C-001B1-Y | 17 |

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