

HDC HP550 KIT 1M 185

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



The RockStar® HighPower system, with its completely newly developed and coordinated components in three and four pin versions, represents a novel product solution for pluggable energy transmission – failure-free

The RockStar® HighPower system has a modular design and offers the customer a multitude of product solutions for all kinds of application sites and requirements.

The RockStar® HighPower end-wall connector is impact-resistant, water and dust-proof and was built to comply with DIN EN 61373 CAT 1b (bogie) requirements.

The overall structure has been adapted to the confined space of wagon-to-wagon coupling - small, light and powerful

General ordering data

| | |
|------------|---|
| Version | HDC kits, 1500 V, 550 A, Number of poles: 1, Crimp connection |
| Order No. | 1488220000 |
| Type | HDC HP550 KIT 1M 185 |
| GTIN (EAN) | 4050118298475 |
| Qty. | 1 items |

HDC HP550 KIT 1M 185

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Technical data

Approvals

| | |
|------|---------|
| ROHS | Conform |
|------|---------|

Dimensions and weights

| | | | |
|------------|----------|-----------------|-------------|
| Depth | 85 mm | Depth (inches) | 3.3464 inch |
| Height | 140 mm | Height (inches) | 5.5118 inch |
| Width | 57 mm | Width (inches) | 2.2441 inch |
| Net weight | 679.67 g | | |

Temperatures

| | |
|-------------------|-------------------|
| Limit temperature | -40 °C ... 120 °C |
|-------------------|-------------------|

Environmental Product Compliance

| | |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | a1b198df-2a58-40a5-bb31-ff1a2bb12993 |

Dimensions

| | |
|-------|-------|
| Width | 57 mm |
|-------|-------|

General data

| | | | |
|--------------------------------------|-----------------------------|------------------------------|----------------------------|
| Number of poles | 1 | Type of connection | Crimp connection |
| Design of housing | Plug housing | UL 94 flammability rating | V-0 |
| Colour | black (similar to RAL 9005) | Surface finish | Powder coating |
| Series | HighPower | Rated voltage (DIN EN 61984) | 1500 V |
| Rated impulse voltage (DIN EN 61984) | 10 kV | Rated current (DIN EN 61984) | 550 A |
| Free from halogens | false | Protection degree | IP68, in plugged condition |

General data

| | | | |
|-------------------------------|---------------------|---------------------|-----------------------------|
| Type of connection | Crimp connection | Colour | black (similar to RAL 9005) |
| Conductor cross-section, max. | 185 mm ² | Surface finish | Powder coating |
| Enclosure material | Aluminium diecast | Series | HighPower |
| Material of gasket | EPDM | Material of contact | Copper alloy |

Important note

| | |
|---------------------|---|
| Product information | Depending on the intended operation, internally generated voltages can superimpose the working voltage and contain corresponding peaks. It is imperative to ensure that these peak voltages do not exceed the rated voltage. For applications outside of this specification, please contact us. |
|---------------------|---|

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC000437 | ETIM 9.0 | EC000437 |
| ETIM 10.0 | EC000437 | ECLASS 14.0 | 27-44-02-02 |
| ECLASS 15.0 | 27-44-02-02 | | |

HDC HP550 KIT 1M 185

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Accessories

IP68 version acc. to EN 45545



In addition to the extensive range of enclosures, Weidmüller offers a variety of cable glands for a wide range of applications. The cable glands made of brass, plastic and stainless steel meet the most various IP protection classes to suit any industrial enclosure. Depending on the series of cable glands and the application, the cable glands are approved and tested according to VDE, UL, UR, cULus, DNV GL or EN 45545.

General ordering data

| | | |
|------------|----------------------------|--|
| Type | VGM40-MS68 20-32 BG | Version |
| Order No. | 1193620000 | Heavy-duty connectors, Accessories, Cable glands, Brass, nickel-plated |
| GTIN (EAN) | 4032248976577 | |
| Qty. | 10 ST | |
| Type | VGM40-SS68 20-32 BG | Version |
| Order No. | 1193590000 | Heavy-duty connectors, Accessories, Cable glands, Stainless steel |
| GTIN (EAN) | 4032248976614 | 1.4305 (303) |
| Qty. | 10 ST | |

Accessories



Accessories especially suitable for the demands of wagon-to-wagon coupling have been developed for the HighPower end-wall connectors and thus significantly enhance the added value of the plug-in connectors. Easy-to-install coding pins ensure reverse polarity protection, plastic cover caps provide sufficient dust protection, while aluminium covers are designed to be absolutely water and dust-proof. The accessories intelligently round off the overall system.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | HDC HP550 CP | Version |
| Order No. | 1475840000 | HDC enclosures, Installation size: Miscellaneous |
| GTIN (EAN) | 4050118282511 | |
| Qty. | 200 ST | |
| Type | HDC HP550 MTA 4P SET | Version |
| Order No. | 1488280000 | HDC enclosures, 0 V, Number of poles: 4, Screw connection |
| GTIN (EAN) | 4050118298390 | |
| Qty. | 1 ST | |
| Type | HDC HP550 MTA 3P SET | Version |
| Order No. | 1488230000 | HDC enclosures, 0 V, Number of poles: 3, Screw connection |
| GTIN (EAN) | 4050118298291 | |
| Qty. | 1 ST | |
| Type | HDC HP SUKA 1P 550A | Version |
| Order No. | 1479130000 | HDC enclosures |
| GTIN (EAN) | 4050118373608 | |
| Qty. | 10 ST | |

HDC HP550 KIT 1M 185

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Accessories

Housings



The protective housing is manufactured from seawater-resistant aluminium using pressure die casting. High standards of water and dust protection, as well as particularly high impact resistance, are the hallmarks of this housing series. A sophisticated two-stage surface coating ensures years of reliability. All screws, crimp contacts and other exterior accessory parts are made of corrosion-resistant stainless steel.

General ordering data

| | | | |
|------------|----------------------------|---|--|
| Type | HDC HP550 ABGH 1P | Version | |
| Order No. | 1535420000 | HDC enclosures, 1500 V, 550 A, Number of poles: 1, Installation size: | |
| GTIN (EAN) | 4050118339444 | 550 | |
| Qty. | 1 ST | | |
| Type | HDC HP550 ABGH BG | Version | |
| Order No. | 1475700000 | HDC enclosures, 1500 V, Screw connection, Installation size: 550 | |
| GTIN (EAN) | 4050118282313 | | |
| Qty. | 1 ST | | |
| Type | HDC HP ABGH COVER | Version | |
| Order No. | 1473470000 | HDC enclosures, Cover | |
| GTIN (EAN) | 4050118279917 | | |
| Qty. | 1 ST | | |