

HDC HP 550 F 95**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Crimps provide a electrical and mechanical connection between wire and contact that is both secure and reliable. The optimal crimp connection is gas-tight and corrosion-resistant.

General ordering data

| | |
|------------|---|
| Version | HDC insert, Female, Crimp connection, Size: 550 |
| Order No. | 1079810000 |
| Type | HDC HP 550 F 95 |
| GTIN (EAN) | 4032248841707 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|----------|---------|-----------------|-----------|
| Length | 98.3 mm | Length (inches) | 3.87 inch |
| Diameter | 43 mm | Net weight | 203 g |

Temperatures

| | |
|-------------------|-------------------|
| Limit temperature | -50 °C ... 120 °C |
|-------------------|-------------------|

General data

| | | | |
|--------------------------------------|----------------------------|---|--------------------|
| BG | 550 | Colour | black |
| Conductor cross-section | 95 mm ² | Free from halogens | false |
| Insulating material | Polyamide with fibre optic | Insulation strength | 10 ¹⁰ Ω |
| Material | Copper alloy | Operating voltage, max. (total temperature=60°C) | 3,000 V |
| Pollution severity | PD 2 (PD 3) | Rated current acc. to DIN EN 61984 (ambient temperature=20°C) | 310 A |
| Rated impulse voltage (DIN EN 61984) | 15 kV | Series | HighPower |
| Size | 550 | Surface finish | Silver passivated |
| Type | Female | Type of connection | Crimp connection |
| UL 94 flammability rating | V-0 | Volume resistance | ≤0.1 mΩ |

Power contact

| | | | |
|---|------------------|---------------------------------------|-------|
| Rated impulse voltage (DIN EN 61984), power contact | 15 kV | Stripping length, performance contact | 30 mm |
| Type of connection, power contact | Crimp connection | | |

Version

| | | | |
|-------------------------------|--------------------|---|--------------------|
| BG | 550 | Conductor cross-section, max. | 95 mm ² |
| Conductor cross-section, min. | 95 mm ² | Material | Copper alloy |
| Size | 550 | Stripping length, rated connection | 30 mm |
| Surface finish | Silver passivated | Type of connection | Crimp connection |
| Volume resistance | ≤0.1 mΩ | Wire connection cross section AWG, max. | AWG 3/0 |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC000796 | ETIM 7.0 | EC000796 |
| ETIM 8.0 | EC000796 | ETIM 9.0 | EC000796 |
| ECLASS 9.0 | 27-44-02-04 | ECLASS 9.1 | 27-44-02-04 |
| ECLASS 10.0 | 27-44-02-04 | ECLASS 11.0 | 27-44-02-04 |
| ECLASS 12.0 | 27-44-02-04 | ECLASS 13.0 | 27-44-02-04 |

Environmental Product Compliance

| | |
|--------------------------------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 6eabd5ae-2d6b-409e-8bdf-87c27ee10e40 |
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c |

Approvals

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

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Technical data

Downloads

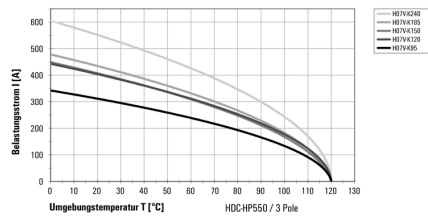
| | |
|--------------------|---|
| Engineering Data | CAD data – STEP |
| User Documentation | 1487780000_00_11_13_BPZ_HDC_HP250-550_web.pdf BPZL_F_CSA_Zulassung BPZ_HDC_HP_ungeschirmt BZP_HDC_HP_MOAL_550A |
| Catalogues | Catalogues in PDF-format |
| Brochures | FL FIELDWIRING EN FL FIELDWIRING EN |

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Drawings



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Accessories

HighPower spare parts



General ordering data

| | |
|------------|----------------------------|
| Type | HDC HP CLAMP 550A |
| Order No. | 2447780000 |
| GTIN (EAN) | 4050118461671 |
| Qty. | 25 pc(s). |

... for compression cable lugs



Crimping tools for cable lugs, connectors and wire-end ferrules with interchangeable inserts

- extremely fast processing thanks to hydraulic support
- large processing range up to 300 mm²
- 270° revolving quick-action crimping head
- automatic pressure limitation and monitoring via pressure sensor
- electronic control and monitoring of the crimping process
- Saving of all crimping cycles and error messages to internal memory
- Reading of all cycles and error messages via USB
- Li-ion rechargeable battery with charge status indicator: 18 V, 2 Ah

General ordering data

| | | |
|------------|----------------------------|---------------------------------------|
| Type | ES EPG/HPG 60 HEX 240 | Version |
| Order No. | 2505260000 | Crimping tool insert, Hexagonal crimp |
| GTIN (EAN) | 4050118519648 | |
| Qty. | 1 pc(s). | |
| Type | ES EPG/HPG 60 HEX 25 | Version |
| Order No. | 2505180000 | Crimping tool insert, Hexagonal crimp |
| GTIN (EAN) | 4050118519570 | |
| Qty. | 1 pc(s). | |
| Type | ES EPG/HPG 60 HEX 50 | Version |
| Order No. | 2505200000 | Crimping tool insert, Hexagonal crimp |
| GTIN (EAN) | 4050118519600 | |
| Qty. | 1 pc(s). | |
| Type | ES EPG/HPG 60 HEX 120 | Version |
| Order No. | 2505230000 | Crimping tool insert, Hexagonal crimp |
| GTIN (EAN) | 4050118519624 | |
| Qty. | 1 pc(s). | |

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Accessories

| | | |
|------------|----------------------------|---------------------------------------|
| Type | ES EPG/HPG 60 HEX 35 | Version |
| Order No. | 2505190000 | Crimping tool insert, Hexagonal crimp |
| GTIN (EAN) | 4050118519587 | |
| Qty. | 1 pc(s). | |
| Type | ES EPG/HPG 60 HEX 95 | Version |
| Order No. | 2505220000 | Crimping tool insert, Hexagonal crimp |
| GTIN (EAN) | 4050118519563 | |
| Qty. | 1 pc(s). | |
| Type | ES EPG/HPG 60 HEX 150 | Version |
| Order No. | 2505240000 | Crimping tool insert, Hexagonal crimp |
| GTIN (EAN) | 4050118519631 | |
| Qty. | 1 pc(s). | |
| Type | ES EPG/HPG 60 HEX 185 | Version |
| Order No. | 2505250000 | Crimping tool insert, Hexagonal crimp |
| GTIN (EAN) | 4050118519617 | |
| Qty. | 1 pc(s). | |
| Type | ES EPG/HPG 60 HEX 70 | Version |
| Order No. | 2505210000 | Crimping tool insert, Hexagonal crimp |
| GTIN (EAN) | 4050118519594 | |
| Qty. | 1 pc(s). | |

Tools


Crimping tools for cable lugs, connectors and wire-end ferrules with interchangeable inserts

- extremely fast processing thanks to hydraulic support
- large processing range up to 300 mm²
- 270° revolving quick-action crimping head
- automatic pressure limitation and monitoring via pressure sensor
- electronic control and monitoring of the crimping process
- Saving of all crimping cycles and error messages to internal memory
- Reading of all cycles and error messages via USB
- Li-ion rechargeable battery with charge status indicator: 18 V, 2 Ah

General ordering data

| | | |
|------------|----------------------------|--|
| Type | EPG 60 | Version |
| Order No. | 2453810000 | Pressing tools, Tools, Pressing tool, 6mm ² , 300mm ² , Hexagonal crimp, |
| GTIN (EAN) | 4050118468434 | WM crimp, Indent crimp, Trapezoidal crimp, Oval crimping |
| Qty. | 1 pc(s). | |