Data sheet

# 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, 3600 V, Crimp connection, Installation size: 550 |
| Order No. | 1079810000 |
| Type | HDC HP 550 F 95 |
| GTIN (EAN) | 4032248841707 |
| Qty. | 1 items |

# Data sheet

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# Technical data

### Approvals

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

### Dimensions and weights

| | | | |
|---|---|---|---|
| Length | 98.3 mm | Length (inches) | 3.8701 inch |
| Diameter | 43 mm | Net weight | 203 g |

### Temperatures

| | |
|---|---|
| Limit temperature | -50 °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 | 6eabd5ae-2d6b-409e-8bdf-87c27ee10e40 |

### General data

| | | | |
|---|---|---|---|
| Plugging cycles, silver | ≥ 500 | Type of connection | Crimp connection |
| Installation size | 550 | UL 94 flammability rating | V-0 |
| Volume resistance | ≤0.1 mΩ | Colour | black |
| Insulation resistance | 1010 Ω | Insulating material | Polyamide with fibre optic |
| Conductor cross-section | 95 mm² | Surface finish | Silver passivated |
| Plugging cycles | ≥ 500 | Type | Female |
| Pollution severity | PD 2 (PD 3) | Basic material | Copper alloy |
| Series | HighPower | Rated voltage (DIN EN 61984) | 3600 V |
| Rated impulse voltage (DIN EN 61984) | 15 kV | Free from halogens | false |
| Rated current acc. to DIN EN 61984 (ambient temperature=20°C) | 310 A | BG | 550 |

### Power contact

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

### Version

| | | | |
|---|---|---|---|
| Stripping length, rated connection | 30 mm | Type of connection | Crimp connection |
| Installation size | 550 | Volume resistance | ≤0.1 mΩ |
| Conductor cross-section, max. | 95 mm² | Conductor cross-section, min. | 95 mm² |
| Surface finish | Silver passivated | Basic material | Copper alloy |
| BG | 550 | | |

### 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. The rated voltage of 3.6 kV must be reduced by 20% at operating temperatures above 100°C. |

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## Technical data

### Classifications

| | | | |
|---|---|---|---|
| ETIM 8.0 | EC000796 | ETIM 9.0 | EC000796 |
| ETIM 10.0 | EC000796 | ECLASS 14.0 | 27-44-02-04 |
| ECLASS 15.0 | 27-44-02-04 | | |

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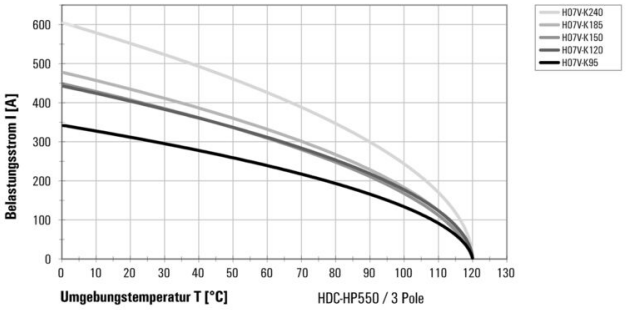
## Drawings



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## Accessories

### HighPower spare parts

### General ordering data

| | | |
|---|---|---|
| Type | HDC HP CLAMP 550A | Version |
| Order No. | 2447780000 | HDC-HighPower |
| GTIN (EAN) | 4050118461671 | |
| Qty. | 25 ST | |

### 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, 6mm², 300mm², Hexagonal |
| GTIN (EAN) | 4050118468434 | crimp, WM crimp, Indent crimp, Trapezoidal crimp, Oval crimping |
| Qty. | 1 ST | |

# HDC HP 550 F 95

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## Accessories

### ... 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 95 | Version |
| Order No. | 2505220000 | Crimping tool insert, 95mm², Hexagonal crimp |
| GTIN (EAN) | 4050118519563 | |
| Qty. | 1 ST | |

### 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 400 mm²
- 360° revolving quick action crimping head
- automatic pressure limitation and monitoring via pressure sensor
- Additional features for APG series:
- 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

#### General ordering data

| | | |
|---|---|---|
| Type | APG 80 | Version |
| Order No. | 2853270000 | 6mm², 400mm² |
| GTIN (EAN) | 4064675477020 | |
| Qty. | 1 ST | |

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## Accessories

### ... for compression cable lugs (acc. to DIN 46235)

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 400 mm²
- 360° revolving quick action crimping head
- automatic pressure limitation and monitoring via pressure sensor
- Additional features for APG series:
- 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

### General ordering data

| | | |
|---|---|---|
| Type | ES APG 80 HEX 95 | Version |
| Order No. | 1502690000 | 95mm², Hexagonal crimp |
| GTIN (EAN) | 4050118310610 | |
| Qty. | 1 ST | |