

**HDC HP 550 M 50****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, Pin, Crimp connection, Size: 550 |
| Order No.  | <a href="#">1157800000</a>                   |
| Type       | HDC HP 550 M 50                              |
| GTIN (EAN) | 4032248945337                                |
| Qty.       | 1 pc(s).                                     |

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## Technical data

## Dimensions and weights

|          |       |                 |            |
|----------|-------|-----------------|------------|
| Length   | 91 mm | Length (inches) | 3.583 inch |
| Diameter | 43 mm | Net weight      | 188 g      |

## Temperatures

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

## General data

|                                      |                    |   |                    |
|--------------------------------------|--------------------|---|--------------------|
| BG                                   | 550                | Colour  | black              |
| Conductor cross-section              | 50 mm <sup>2</sup> | Free from halogens  | false              |
| Insulating material                  | PA GF              | Insulation strength   | 10 <sup>10</sup> 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) | 200 A              |
| Rated impulse voltage (DIN EN 61984) | 15 kV              | Series  | HighPower          |
| Size                                 | 550                | Surface finish  | Silver passivated  |
| Type                                 | Pin                | 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.           | 50 mm <sup>2</sup> |
| Conductor cross-section, min. | 50 mm <sup>2</sup> | 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 1              |

## 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   | <a href="#">CAD data – STEP</a>   |
| User Documentation | <a href="#">1487780000_00_11_13_BPZ_HDC_HP250-550_web.pdf</a><br><a href="#">BPZL_F_CSA_Zulassung</a><br><a href="#">BPZ_HDC_HP_ungeschirmt</a><br><a href="#">BZP_HDC_HP_MOAL_550A</a> |
| Catalogues         | <a href="#">Catalogues in PDF-format</a>  |
| Brochures          | <a href="#">FL FIELDWIRING EN</a><br><a href="#">FL FIELDWIRING EN</a>  |

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## Drawings



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## Accessories

## HighPower spare parts



## General ordering data

|            |                            |
|------------|----------------------------|
| Type       | HDC HP CLAMP 550A          |
| Order No.  | <a href="#">2447780000</a> |
| 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 mm<sup>2</sup>
- 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.  | <a href="#">2505260000</a> | Crimping tool insert, Hexagonal crimp |
| GTIN (EAN) | 4050118519648              |                                       |
| Qty.       | 1 pc(s).                   |                                       |
| Type       | ES EPG/HPG 60 HEX 25       | Version                               |
| Order No.  | <a href="#">2505180000</a> | Crimping tool insert, Hexagonal crimp |
| GTIN (EAN) | 4050118519570              |                                       |
| Qty.       | 1 pc(s).                   |                                       |
| Type       | ES EPG/HPG 60 HEX 50       | Version                               |
| Order No.  | <a href="#">2505200000</a> | Crimping tool insert, Hexagonal crimp |
| GTIN (EAN) | 4050118519600              |                                       |
| Qty.       | 1 pc(s).                   |                                       |
| Type       | ES EPG/HPG 60 HEX 120      | Version                               |
| Order No.  | <a href="#">2505230000</a> | 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.  | <a href="#">2505190000</a> | Crimping tool insert, Hexagonal crimp |
| GTIN (EAN) | 4050118519587              |                                       |
| Qty.       | 1 pc(s).                   |                                       |
| Type       | ES EPG/HPG 60 HEX 95       | Version                               |
| Order No.  | <a href="#">2505220000</a> | Crimping tool insert, Hexagonal crimp |
| GTIN (EAN) | 4050118519563              |                                       |
| Qty.       | 1 pc(s).                   |                                       |
| Type       | ES EPG/HPG 60 HEX 150      | Version                               |
| Order No.  | <a href="#">2505240000</a> | Crimping tool insert, Hexagonal crimp |
| GTIN (EAN) | 4050118519631              |                                       |
| Qty.       | 1 pc(s).                   |                                       |
| Type       | ES EPG/HPG 60 HEX 185      | Version                               |
| Order No.  | <a href="#">2505250000</a> | Crimping tool insert, Hexagonal crimp |
| GTIN (EAN) | 4050118519617              |                                       |
| Qty.       | 1 pc(s).                   |                                       |
| Type       | ES EPG/HPG 60 HEX 70       | Version                               |
| Order No.  | <a href="#">2505210000</a> | Crimping tool insert, Hexagonal crimp |
| GTIN (EAN) | 4050118519594              |                                       |
| Qty.       | 1 pc(s).                   |                                       |

## Tools

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## General ordering data

|            |                            |  |
|------------|----------------------------|--|
| Type       | EPG 60                     | Version  |
| Order No.  | <a href="#">2453810000</a> | Pressing tools, Tools, Pressing tool, 6mm <sup>2</sup> , 300mm <sup>2</sup> , Hexagonal crimp, |
| GTIN (EAN) | 4050118468434              | WM crimp, Indent crimp, Trapezoidal crimp, Oval crimping                                       |
| Qty.       | 1 pc(s).                   |  |