

HDC HP 250 F 50 PE**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, 3000 V, 250 A, Crimp connection, Size: 250 |
| Order No. | 1220840000 |
| Type | HDC HP 250 F 50 PE |
| GTIN (EAN) | 4050118003901 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|----------|---------|-----------------|------------|
| Length | 83.2 mm | Length (inches) | 3.276 inch |
| Diameter | 32 mm | Net weight | 111.91 g |

Temperatures

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

General data

| | | | |
|------------------------------|--------------------|--------------------------------------|--------------------|
| BG | 250 | Colour | black |
| Conductor cross-section | 50 mm ² | Free from halogens | false |
| Insulating material | PA GF | Insulation strength | 10 ¹⁰ Ω |
| Material | Copper alloy | Pollution severity | PD 2 (PD 3) |
| Rated current (DIN EN 61984) | 250 A | Rated impulse voltage (DIN EN 61984) | 15 kV |
| Rated voltage (DIN EN 61984) | 3,000 V | Series | HighPower |
| Size | 250 | Surface finish | Silver passivated |
| Type | Female | Type of connection | Crimp connection |
| UL 94 flammability rating | V-0 | Volume resistance | ≤0.1 mΩ |

Connection data PE

| | |
|--------------------|------------------|
| Connection type PE | Crimp connection |
|--------------------|------------------|

Power contact

| | | | |
|---|---------|---|-------|
| Rated current (DIN EN 61984), power contact | 250 A | Rated impulse voltage (DIN EN 61984), power contact | 15 kV |
| Rated voltage (DIN EN 61984), power contact | 3,000 V | Stripping length, performance contact | 24 mm |

Version

| | | | |
|-------------------------------|--------------------|---|--------------------|
| BG | 250 | Conductor cross-section, max. | 50 mm ² |
| Conductor cross-section, min. | 50 mm ² | Material | Copper alloy |
| Size | 250 | Stripping length, rated connection | 24 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 |

Approvals

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

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Technical data

Downloads

Approval/Certificate/Document of Con-
formity

[Manufacturer's declaration](#)

Engineering Data

[CAD data – STEP](#)

User Documentation

[1487780000_00_11_13_BPZ_HDC_HP250-550_web.pdf](#)

[BPZ_HDC_HP_ungeschirmt](#)

Catalogues

[Catalogues in PDF-format](#)

Brochures

[FL FIELDWIRING EN](#)

[FL FIELDWIRING EN](#)

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Drawings



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Accessories

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 45 | Version |
| Order No. | 1500830000 | Pressing tool, 6mm ² , 150mm ² , Hexagonal crimp, WM crimp, Indent |
| GTIN (EAN) | 4050118309317 | crimp, Trapezoidal crimp, Oval crimping |
| Qty. | 1 pc(s). | |

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

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- extremely fast processing thanks to hydraulic support
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- electronic control and monitoring of the crimping process
- Saving of all crimping cycles and error messages to internal memory
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- Li-ion rechargeable battery with charge status indicator: 18 V, 2 Ah

General ordering data

| | | |
|------------|----------------------------|-----------------|
| Type | ES EPG 45 HEX 16/35 | Version |
| Order No. | 1500950000 | Hexagonal crimp |
| GTIN (EAN) | 4050118309492 | |
| Qty. | 1 pc(s). | |
| Type | ES EPG 45 HEX 25/50 | Version |
| Order No. | 1500970000 | Hexagonal crimp |
| GTIN (EAN) | 4050118309195 | |
| Qty. | 1 pc(s). | |
| Type | ES EPG 45 HEX 95 | Version |
| Order No. | 1500980000 | Hexagonal crimp |
| GTIN (EAN) | 4050118309348 | |
| Qty. | 1 pc(s). | |

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| | | |
|------------|----------------------------|-----------------|
| Type | ES EPG 45 HEX 10/70 | Version |
| Order No. | 1500940000 | Hexagonal crimp |
| GTIN (EAN) | 4050118309522 | |
| Qty. | 1 pc(s). | |

HighPower spare parts**General ordering data**

| | |
|------------|----------------------------|
| Type | HDC HP CLAMP 250A |
| Order No. | 2778940000 |
| GTIN (EAN) | 4064675047964 |
| Qty. | 25 pc(s). |