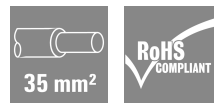


**HDC HP 250 M 35**

**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, Male, Crimp connection, Installation size: 250 |
| Order No.  | <a href="#">1079680000</a>                                 |
| Type       | HDC HP 250 M 35  |
| GTIN (EAN) | 4032248841844  |
| Qty.       | 1 items  |

## HDC HP 250 M 35

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## Technical data

## Approvals

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

## Dimensions and weights

|          |         |                 |            |
|----------|---------|-----------------|------------|
| Length   | 82.6 mm | Length (inches) | 3.252 inch |
| Diameter | 32 mm   | Net weight      | 108.24 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                                | 250                | UL 94 flammability rating                                     | V-0                        |
| Volume resistance                                | ≤0.1 mΩ            | Colour  | black                      |
| Insulation resistance                            | 1010 Ω             | Insulating material   | PA GF                      |
| Conductor cross-section                          | 35 mm <sup>2</sup> | Surface finish  | Silver passivated          |
| Plugging cycles                                  | ≥ 500              | Type  | Male                       |
| Pollution severity                               | PD 2 (PD 3)        | Basic material  | Copper alloy               |
| Series   | HighPower          | Rated impulse voltage (DIN EN 61984)                          | 15 kV                      |
| Operating voltage, max. (total temperature=60°C) | 2300 V             | Requirement set with hazard levels acc. to EN 45545-2         | R22 (HL 1-3), R23 (HL 1-3) |
| Free from halogens                               | false              | Rated current acc. to DIN EN 61984 (ambient temperature=20°C) | 160 A                      |
| BG   | 250                |   |                            |

## Connection data PE

|                    |                                    |
|--------------------|------------------------------------|
| Connection type PE | Crimp connection, Screw connection |
|--------------------|------------------------------------|

## Power contact

|   |                  |                                       |       |
|---|------------------|---------------------------------------|-------|
| Type of connection, power contact                   | Crimp connection | Stripping length, performance contact | 24 mm |
| Rated impulse voltage (DIN EN 61984), power contact | 15 kV            |                                       |       |

## Version

|                                    |                    |                               |                    |
|------------------------------------|--------------------|-------------------------------|--------------------|
| Stripping length, rated connection | 24 mm              | Type of connection            | Crimp connection   |
| Installation size                  | 250                | Volume resistance             | ≤0.1 mΩ            |
| Conductor cross-section, max.      | 35 mm <sup>2</sup> | Conductor cross-section, min. | 35 mm <sup>2</sup> |
| Surface finish                     | Silver passivated  | Basic material                | Copper alloy       |
| BG                                 | 250                |                               |                    |

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**Technical data****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 3.0 kV must be reduced by 20% at operating temperatures above 110°C.

**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 |             |             |

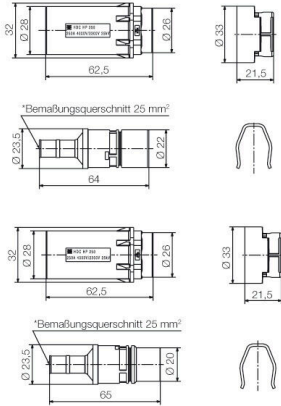
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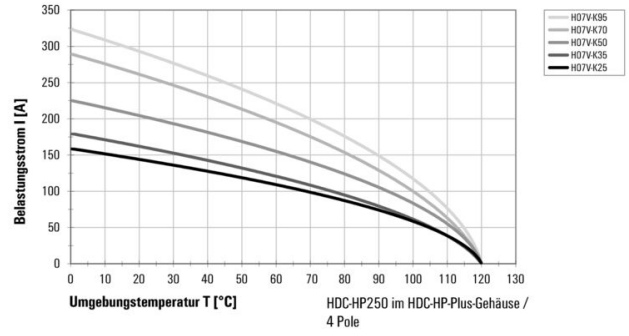
Drawings

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Drawing



Derating curve



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## Accessories

## HighPower spare parts



Weidmüller's HighPower spare parts are precisely matched components for high current connectors. They ensure safe and durable power transmission and are ideal for maintaining or expanding existing systems. Robust materials and precise engineering provide high reliability, even under demanding industrial conditions.

## General ordering data

|            |                            |         |  |
|------------|----------------------------|---------|--|
| Type       | HDC HP CLAMP 250A          | Version |  |
| Order No.  | <a href="#">2778940000</a> |         |  |
| GTIN (EAN) | 4064675047964              |         |  |
| 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 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       | EPG 45                     | Version |  |
| Order No.  | <a href="#">1500830000</a> |         |  |
| GTIN (EAN) | 4050118309317              |         |  |
| 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

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- 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 45 HEX 16/35        | Version                             |
| Order No.  | <a href="#">1500950000</a> | 35mm <sup>2</sup> , Hexagonal crimp |
| GTIN (EAN) | 4050118309492              |                                     |
| 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 mm<sup>2</sup>
- 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.  | <a href="#">2853270000</a> | 6mm <sup>2</sup> , 400mm <sup>2</sup> |
| 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 mm<sup>2</sup>
- 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 35           | Version                             |
| Order No.  | <a href="#">1502650000</a> | 35mm <sup>2</sup> , Hexagonal crimp |
| GTIN (EAN) | 4050118310696              |                                     |
| Qty.       | 1 ST                       |                                     |