

**HDC insert  
HDC HP 250 M 50****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

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Germany

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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**

|            |                                                              |
|------------|--------------------------------------------------------------|
| Type       | HDC HP 250 M 50                                              |
| Order No.  | <a href="#">1119080000</a>                                   |
| Version    | HDC insert, Male, 3000 V, 250 A, Crimp connection, Size: 250 |
| GTIN (EAN) | 4032248900343                                                |
| Qty.       | 1 pc(s).                                                     |

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## Technical data

### Dimensions and weights

|            |          |                 |            |
|------------|----------|-----------------|------------|
| Length     | 82.6 mm  | Length (inches) | 3.252 inch |
| Net weight | 126.31 g | Diameter        | 32 mm      |

### Temperatures

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

### Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

### General data

|                                      |                    |                              |                            |
|--------------------------------------|--------------------|------------------------------|----------------------------|
| Conductor cross-section              | 50 mm <sup>2</sup> | Insulating material          | Polyamide with fibre optic |
| Insulation resistance                | 10 <sup>10</sup> 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                         | Male                       |
| UL 94 flammability rating            | V-0                | Volume resistance            | ≤ 0.1 mΩ                   |

### Connection data PE

|                    |                                    |
|--------------------|------------------------------------|
| Connection type PE | Crimp connection, Screw 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 |
| Type of connection, power contact           | Crimp connection |                                                     |       |

### Version

|                                         |                    |                               |                    |
|-----------------------------------------|--------------------|-------------------------------|--------------------|
| Conductor cross-section, max.           | 50 mm <sup>2</sup> | Conductor cross-section, min. | 50 mm <sup>2</sup> |
| 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 4.0   | EC000437    | ETIM 5.0   | EC000437    |
| ETIM 6.0   | EC000796    | eClass 6.2 | 27-14-34-19 |
| eClass 7.1 | 27-44-02-05 | eClass 8.1 | 27-44-02-05 |
| eClass 9.0 | 27-44-02-05 | eClass 9.1 | 27-44-02-04 |

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**Technical data****Product information**

|                                 |                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Descriptive text ordering data  | In the version described here, the crimp contacts can be used for crimp connections with flexible, stranded, and finely stranded copper wires (according to DIN 48201 part 1 and DIN 57 295 VDE 0295) or with crimping inserts (according to DIN 48083 part 1, part 3 and part 4). We would be glad to customise the crimp contact to fit your requirements. |
| Descriptive text technical data | In the version described here, the crimp contacts can be used for crimp connections with flexible, stranded, and finely stranded copper wires (according to DIN 48201 part 1 and DIN 57 295 VDE 0295) or with crimping inserts (according to DIN 48083 part 1, part 3 and part 4). We are happy to provide crimp contacts to meet your requirements.         |
| Instructions for accessories    | For further accessories, see chapter J - tools, see chapter K                                                                                                                                                                                                                                                                                                |

**Approvals**

Approvals



ROHS

Conform

**Downloads**

|                    |                                                                         |
|--------------------|-------------------------------------------------------------------------|
| Brochure/Catalogue | <a href="#">CAT 3 HDC 17/18 EN</a><br><a href="#">FL FIELDWIRING EN</a> |
| Engineering Data   | <a href="#">EPLAN</a>                                                   |

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## Drawings

