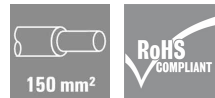


HDC insert HDC HP 550 F 150

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
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 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com



A heavy-duty connector consists of a connector insert and its protective housing. The insert is therefore the heart of the heavy-duty connector. It is responsible for electrical functioning. Connector inserts from Weidmüller are made from high-quality insulation materials, which allow secure transmission of high voltages in a tight space. Moreover, we use only a single type of plastic in our entire product line. This plastic is UL listed, and suitable for railway applications. This allows unlimited world-wide use of the RockStar® connector.

General ordering data

| | |
|------------|--|
| Order No. | 1079830000 |
| Type | HDC HP 550 F 150 |
| Version | HDC insert, Female, 3000 V, 550 A, Crimp connection, Size: 550 |
| GTIN (EAN) | 4032248842018 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|----------|---------|------------|-------|
| Length | 98.3 mm | Net weight | 125 g |
| Diameter | 43 mm | | |

General data

| | | | |
|------------------------------|---------------------|--------------------------------------|----------------------------|
| Size | 550 | Series | HighPower |
| Rated voltage (DIN EN 61984) | 3,000 V | Rated impulse voltage (DIN EN 61984) | 15 kV |
| Rated current (DIN EN 61984) | 550 A | UL 94 flammability rating | V-0 |
| Insulation resistance | 10 ¹⁰ Ω | Insulating material | Polyamide with fibre optic |
| Conductor cross-section | 150 mm ² | Pollution severity | PD 2 (PD 3) |
| Type | Female | | |

Connection data PE

| | | | |
|---|-----------|--------------------|------------------|
| Wire connection cross section AWG, max. | kcmil 250 | Connection type PE | Screw connection |
|---|-----------|--------------------|------------------|

Rating data

| | | | |
|------------------------------|---------|--------------------------------------|-------|
| Rated current (DIN EN 61984) | 550 A | Rated impulse voltage (DIN EN 61984) | 15 kV |
| Rated voltage (DIN EN 61984) | 3,000 V | | |

Version

| | | | |
|---|------------------|------------------------------------|-------------------|
| Wire connection cross section AWG, max. | kcmil 250 | Stripping length, rated connection | 30 mm |
| Type of connection | Crimp connection | Size | 550 |
| Volume resistance | ≤ 0.1 mΩ | Surface finish | Silver passivated |
| Material | Copper alloy | | |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 2.0 | EC000796 | ETIM 3.0 | EC000796 |
| UNSPSC | 30-21-18-01 | eClass 4.1 | 27-14-08-05 |
| eClass 5.1 | 27-14-34-19 | eClass 6.2 | 27-14-34-19 |
| eClass 7.1 | 27-44-02-05 | | |

Product information

| | |
|---------------------------------|--|
| 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. |
| Descriptive text accessories | For further accessories, see chapter J - tools, see chapter K |

Approvals

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