

## HDC insert HDC HP 550 F 120

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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.	<a href="#">1079820000</a>
Type	HDC HP 550 F 120
Version	HDC insert, Female, 3000 V, 550 A, Crimp connection, Size: 550
GTIN (EAN)	4032248841806
Qty.	1 pc(s).

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## Technical data

### Dimensions and weights

Length	98.3 mm	Net weight	0 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 <sup>10</sup> Ω	Insulating material	Polyamide with fibre optic
Conductor cross-section	120 mm <sup>2</sup>	Pollution severity	PD 2 (PD 3)
Type	Female		

### Connection data PE

Wire connection cross section AWG, max.	AWG 4/0	Connection type PE	Screw connection
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### 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.	AWG 4/0	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