

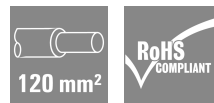
**HDC HP 550 F 120****Weidmüller Interface GmbH & Co. KG**

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, 3600 V, Crimp connection, Installation size: 550
Order No.	<a href="#">1079820000</a>
Type	HDC HP 550 F 120
GTIN (EAN)	4032248841806
Qty.	1 items

## HDC HP 550 F 120

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## Technical data

### Approvals

ROHS	Conform
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### Dimensions and weights

Length	98.3 mm	Length (inches)	3.8701 inch
Diameter	43 mm	Net weight	208 g

### Temperatures

Limit temperature	-50 °C ... 120 °C
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### 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	550	UL 94 flammability rating	V-0
Volume resistance	≤0.1 mΩ	Colour	black
Insulation resistance	1010 Ω	Insulating material	PA GF
Conductor cross-section	120 mm <sup>2</sup>	Surface finish	Silver passivated
Plugging cycles	≥ 500	Type	Female
Pollution severity	PD 2 (PD 3)	Basic material	Copper alloy
Series	HighPower	Rated voltage (DIN EN 61984)	3600 V
Rated impulse voltage (DIN EN 61984)	15 kV	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)	395 A
BG	550		

### Power contact

Type of connection, power contact	Crimp connection	Stripping length, performance contact	30 mm
Rated impulse voltage (DIN EN 61984), power contact	15 kV		

### Version

Stripping length, rated connection	30 mm	Type of connection	Crimp connection
Installation size	550	Volume resistance	≤0.1 mΩ
Conductor cross-section, max.	120 mm <sup>2</sup>	Conductor cross-section, min.	120 mm <sup>2</sup>
Surface finish	Silver passivated	Basic material	Copper alloy
BG	550		

### 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 3.6 kV must be reduced by 20% at operating temperatures above 100°C.
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**Technical data**

**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		

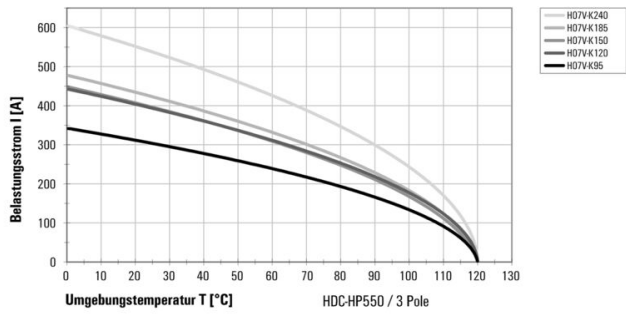
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**Drawings**

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**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 550A	Version	
Order No.	<a href="#">2447780000</a>	HDC-HighPower	
GTIN (EAN)	4050118461671		
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 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		
Type	EPG 45	Version	
Order No.	<a href="#">1500830000</a>	Pressing tool, 6mm <sup>2</sup> , 150mm <sup>2</sup> , Hexagonal crimp, WM crimp, Indent crimp, Trapezoidal crimp, Oval crimping	
GTIN (EAN)	4050118309317		
Qty.	1 ST		

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## Accessories

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


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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	ES EPG 45 HEX 120	Version
Order No.	<a href="#">1500990000</a>	120mm <sup>2</sup> , Hexagonal crimp
GTIN (EAN)	4050118309140	
Qty.	1 ST	
Type	ES APG 80 HEX 120	Version
Order No.	<a href="#">1502700000</a>	120mm <sup>2</sup> , Hexagonal crimp
GTIN (EAN)	4050118310931	
Qty.	1 ST	