

HDC HP 550 F 50**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.	1177100000
Type	HDC HP 550 F 50
GTIN (EAN)	4032248970919
Qty.	1 items

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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	178.64 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	50 mm ²	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	Free from halogens	false
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.	50 mm ²	Conductor cross-section, min.	50 mm ²
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

www.weidmueller.com



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Accessories

HighPower spare parts



General ordering data

Type	HDC HP CLAMP 550A	Version	
Order No.	2447780000	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 300 mm²
- 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 60	Version	
Order No.	2453810000	Pressing tools, Tools, Pressing tool, 6mm ² , 300mm ² , Hexagonal crimp, WM crimp, Indent crimp, Trapezoidal crimp, Oval crimping	
GTIN (EAN)	4050118468434		
Qty.	1 ST		

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Accessories

... for compression cable lugs



Crimping tools for cable lugs, connectors and wire-end ferrules with interchangeable inserts

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- 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/HPG 60 HEX 50	Version	
Order No.	2505200000	Version	Crimping tool insert, 50mm ² , Hexagonal crimp
GTIN (EAN)	4050118519600		
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 mm²
- 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.	2853270000	Version	6mm ² , 400mm ²
GTIN (EAN)	4064675477020		
Qty.	1 ST		

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Accessories

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



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- 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 50	Version	
Order No.	1502670000		50mm ² , Hexagonal crimp
GTIN (EAN)	4050118310559		
Qty.	1 ST		