

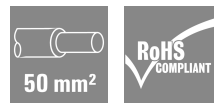
**HDC HP 250 F 50****Weidmüller Interface GmbH & Co. KG**

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, Crimp connection, Installation size: 250
Order No.	<a href="#">1079740000</a>
Type	HDC HP 250 F 50
GTIN (EAN)	4032248841851
Qty.	1 items

## HDC HP 250 F 50

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## Technical data

## Approvals

ROHS	Conform
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## Dimensions and weights

Length	83.2 mm	Length (inches)	3.2756 inch
Diameter	32 mm	Net weight	93.28 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	250	UL 94 flammability rating	V-0
Volume resistance	≤0.1 mΩ	Colour	black
Insulation resistance	1010 Ω	Insulating material	Polyamide with fibre optic
Conductor cross-section	50 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 impulse voltage (DIN EN 61984)	15 kV
Operating voltage, max. (total temperature=60°C)	2300 V	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)	200 A
BG	250		

## Connection data PE

Connection type PE	Crimp connection, Screw connection
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## Power contact

Type of connection, power contact	Crimp connection	Stripping length, performance contact	24 mm
Rated impulse voltage (DIN EN 61984), power contact	15 kV		

## Version

Stripping length, rated connection	24 mm	Type of connection	Crimp connection
Installation size	250	Volume resistance	≤0.1 mΩ
Conductor cross-section, max.	50 mm <sup>2</sup>	Conductor cross-section, min.	50 mm <sup>2</sup>
Surface finish	Silver passivated	Basic material	Copper alloy
BG	250		

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**Technical data****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 3.0 kV must be reduced by 20% at operating temperatures above 110°C.

**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		

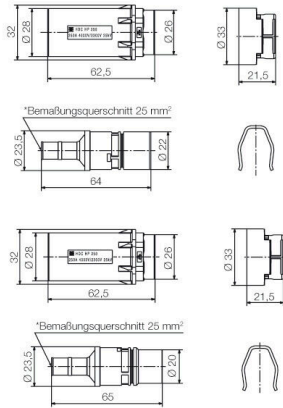
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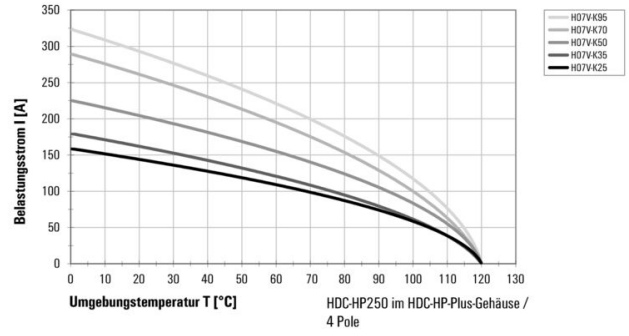
Drawings

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Drawing



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 250A	Version	
Order No.	<a href="#">2778940000</a>		
GTIN (EAN)	4064675047964		
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 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	EPG 45	Version	
Order No.	<a href="#">1500830000</a>		
GTIN (EAN)	4050118309317		
Qty.	1 ST		

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## Accessories

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



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 25/50	Version	
Order No.	<a href="#">1500970000</a>	Version	50mm <sup>2</sup> , Hexagonal crimp
GTIN (EAN)	4050118309195		
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 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>	Version	6mm <sup>2</sup> , 400mm <sup>2</sup>
GTIN (EAN)	4064675477020		
Qty.	1 ST		

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## Accessories

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



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- 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	ES APG 80 HEX 50	Version	
Order No.	<a href="#">1502670000</a>	50mm <sup>2</sup> , Hexagonal crimp	
GTIN (EAN)	4050118310559		
Qty.	1 ST		