

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, Size: 250
Order No.	1079740000
Type	HDC HP 250 F 50
GTIN (EAN)	4032248841851
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Length	83.2 mm	Length (inches)	3.276 inch
Diameter	32 mm	Net weight	106 g

Temperatures

Limit temperature	-50 °C ... 120 °C
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General data

BG	250	Colour	black
Conductor cross-section	50 mm ²	Free from halogens	false
Insulating material	Polyamide with fibre optic	Insulation strength	10 ¹⁰ Ω
Material	Copper alloy	Operating voltage, max. (total temperature=60°C)	2,300 V
Pollution severity	PD 2 (PD 3)	Rated current acc. to DIN EN 61984 (ambient temperature=20°C)	200 A
Rated impulse voltage (DIN EN 61984)	15 kV	Series	HighPower
Size	250	Surface finish	Silver passivated
Type	Female	Type of connection	Crimp connection
UL 94 flammability rating	V-0	Volume resistance	≤0.1 mΩ

Connection data PE

Connection type PE	Crimp connection, Screw connection
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Power contact

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

Version

BG	250	Conductor cross-section, max.	50 mm ²
Conductor cross-section, min.	50 mm ²	Material	Copper alloy
Size	250	Stripping length, rated connection	24 mm
Surface finish	Silver passivated	Type of connection	Crimp connection
Volume resistance	≤0.1 mΩ	Wire connection cross section AWG, max.	AWG 1

Classifications

ETIM 6.0	EC000796	ETIM 7.0	EC000796
ETIM 8.0	EC000796	ETIM 9.0	EC000796
ECLASS 9.0	27-44-02-04	ECLASS 9.1	27-44-02-04
ECLASS 10.0	27-44-02-04	ECLASS 11.0	27-44-02-04
ECLASS 12.0	27-44-02-04	ECLASS 13.0	27-44-02-04
ECLASS 14.0	27-44-02-04		

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www.weidmueller.com**Technical data****Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
SCIP	6eabd5ae-2d6b-409e-8bdf-87c27ee10e40
RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c

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.
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Approvals

ROHS	Conform
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Downloads

Approval/Certificate/Document of Conformity	Manufacturer's declaration
Engineering Data	CAD data – STEP
User Documentation	1487780000_00_11_13_BPZ_HDC_HP250-550_web.pdf BPZL_F_CSA_Zulassung BPZ_HDC_HP_ungeschirmt BZP_HDC_HP_MOAL_250A
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN FL FIELDWIRING EN

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Drawings



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www.weidmueller.com**Accessories****HighPower spare parts****General ordering data**

Type	HDC HP CLAMP 250A
Order No.	2778940000
GTIN (EAN)	4064675047964
Qty.	25 pc(s).

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 45	Version
Order No.	1500830000	Pressing tool, 6mm ² , 150mm ² , Hexagonal crimp, WM crimp, Indent
GTIN (EAN)	4050118309317	crimp, Trapezoidal crimp, Oval crimping
Qty.	1 pc(s).	

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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 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	ES EPG 45 HEX 25/50	Version
Order No.	1500970000	Hexagonal crimp
GTIN (EAN)	4050118309195	
Qty.	1 pc(s).	
Type	ES EPG 45 HEX 95	Version
Order No.	1500980000	Hexagonal crimp
GTIN (EAN)	4050118309348	
Qty.	1 pc(s).	
Type	ES EPG 45 HEX 10/70	Version
Order No.	1500940000	Hexagonal crimp
GTIN (EAN)	4050118309522	
Qty.	1 pc(s).	
Type	ES EPG 45 HEX 16/35	Version
Order No.	1500950000	Hexagonal crimp
GTIN (EAN)	4050118309492	
Qty.	1 pc(s).	