

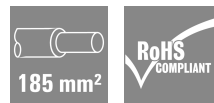
HDC HP 550 F 185**Weidmüller Interface GmbH & Co. KG**

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.	1079840000
Type	HDC HP 550 F 185
GTIN (EAN)	4032248841905
Qty.	1 items

HDC HP 550 F 185

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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	228 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	185 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	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)	430 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.	185 mm ²	Conductor cross-section, min.	185 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

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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.	2447780000	HDC-HighPower	
GTIN (EAN)	4050118461671		
Qty.	25 ST		