

HDC HP 550 F SCREW

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image

HDC HighPower Screw contact
Reliable screw terminal for tool-free conductor connection.
Quickly installed, ideal for service and field wiring – flexible without crimping.

General ordering data

Version	HDC insert, Female, Screw connection, Cable lug: ring cable / spade lug, Installation size: 550
Order No.	3146220000
Type	HDC HP 550 F SCREW
GTIN (EAN)	4099987577465
Qty.	1 items

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Technical data

Dimensions and weights

Length	91 mm	Length (inches)	3.5827 inch
Diameter	43 mm	Net weight	550 g

Temperatures

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

Plugging cycles, silver	≥ 500	Type of connection	Screw connection, Cable lug: ring cable / spade lug
Installation size	550	UL 94 flammability rating	V-0
Volume resistance	≤0.1 mΩ	Colour	black
Insulation resistance	1010 Ω	Insulating material	PA GF
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)	3000 V
Requirement set with hazard levels acc. to EN 45545-2	R22 (HL 1-3), R23 (HL 1-3)	Free from halogens	false
BG	550		

Power contact

Type of connection, power contact	Cable lug: ring cable / spade lug	Rated impulse voltage (DIN EN 61984), power contact	15 kV
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Version

Stripping length, rated connection	30 mm	Type of connection	Screw connection, Cable lug: ring cable / spade lug
Installation size	550	Volume resistance	≤0.1 mΩ
Surface finish	Silver passivated	Basic material	Copper alloy
BG	550		

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

Product image



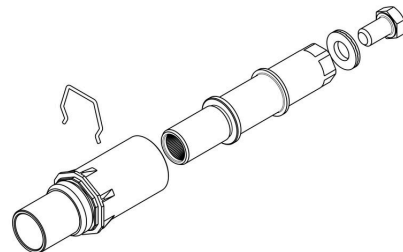
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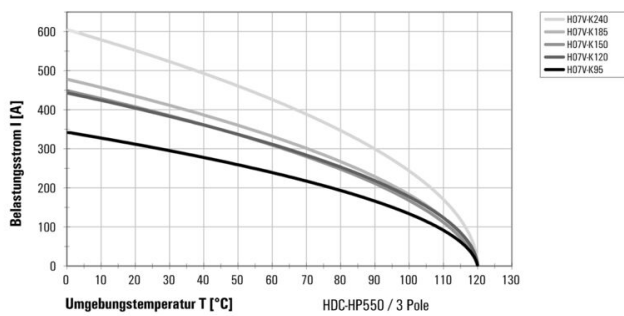
Product image



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 550 M	Version
Order No.	1242220000	
GTIN (EAN)	4050118030808	
Qty.	1 ST	

Crimp contacts



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

Type	HDC HP 550 M 50	Version
Order No.	1157800000	HDC insert, Male, 3600 V, Crimp connection, Installation size: 550
GTIN (EAN)	4032248945337	
Qty.	1 ST	
Type	HDC HP 550 M 70	Version
Order No.	1268810000	HDC insert, Male, 3600 V, Crimp connection, Installation size: 550
GTIN (EAN)	4050118057720	
Qty.	1 ST	
Type	HDC HP 550 M 95	Version
Order No.	1079790000	HDC insert, Male, 3600 V, Crimp connection, Installation size: 550
GTIN (EAN)	4032248841653	
Qty.	1 ST	
Type	HDC HP 550 M 120	Version
Order No.	1079780000	HDC insert, Male, 3600 V, Crimp connection, Installation size: 550
GTIN (EAN)	4032248841899	
Qty.	1 ST	
Type	HDC HP 550 M 150	Version
Order No.	1119110000	HDC insert, Male, 3600 V, Crimp connection, Installation size: 550
GTIN (EAN)	4032248900367	
Qty.	1 ST	

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Accessories

Type	HDC HP 550 M 185	Version
Order No.	1120580000	HDC insert, Male, 3600 V, Crimp connection, Installation size: 550
GTIN (EAN)	4032248901821	
Qty.	1 ST	
Type	HDC HP 550 M 240	Version
Order No.	1120590000	HDC insert, Male, 3600 V, Crimp connection, Installation size: 550
GTIN (EAN)	4032248901739	
Qty.	1 ST	

Bulkhead housing



The RockStar® HighPower housings are manufactured from high-strength die-cast aluminium and offer perfect protection against harsh environmental conditions thanks to continual optimisation. The multi-part housing gives users the opportunity to examine work processes down to the last step in the workflow.

General ordering data

Type	HDC IP68 HP 24B A	Version
Order No.	1120040000	HDC enclosures, Installation size: 8, Protection degree: IP68, IP69,
GTIN (EAN)	4032248901418	in plugged condition, Bulkhead housing, Clamping yoke connection,
Qty.	1 ST	Standard, Size of cable entries: none

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General ordering data

Type	HDC HP CLAMP 550A	Version
Order No.	2447780000	HDC-HighPower
GTIN (EAN)	4050118461671	
Qty.	25 ST	