



# HARTING PushPull Power, 3-pole, Crimp Connector



## General information

Design	PushPull Power connector derived from IEC/PAS 61076-3-116	
No. of contacts	2 + PE	
Contact pitch	horizontal: 2 x 3.35 ; vertical: 4.5	
Test voltage	4 KV	
Rated voltage	250 V	
Working current	16 A (see derating diagram) <span style="float: right;">overvoltage category III / pollution degree 3</span>	
Temperature range	-40° C ... +70° C	
Mating cycles	750	
Termination technology	crimp	
IP-Protection	IP 65/67/68 (1m, 48h) when mated	
Insertion force	50 N	
Withdrawal force	50 N	
Hot plugging	No	
RoHS - compliant	Yes	
UL file	pending	

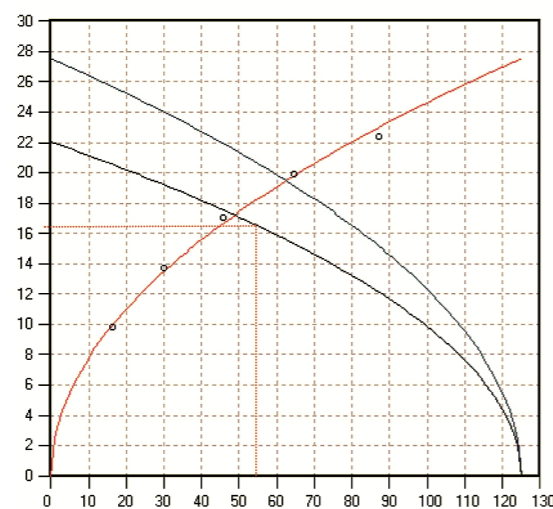
## Insulator material

Material	PC (Polycarbonate)
Color	black
UL classification	UL 94 V0
Material group acc. IEC 60664-1	PC: III (200)

## Contact material

Contact material	Copper alloy
Plating termination zone	Au over Ni
Plating contact zone	Au over Ni

## Derating diagram acc. to IEC 60512-5-2 (Current carrying capacity)



measured with 2.5mm<sup>2</sup> cable

— Derating curve at I max \* 0,8 (DIN EN 60512-5-2)  
 - - - Derating  
 — Temperature rise

## Connection data

Termination	Crimp	
Conductor cross section min. / max.	0.75 mm <sup>2</sup> / 2.5 mm <sup>2</sup> stranded wire	AWG 20-12

## Outer cable diameter

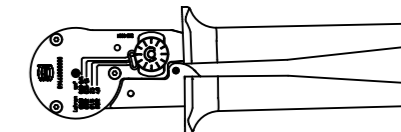
Cable Ø	4.5 mm ... 10.0 mm	
Nut fastening torque	Must be validated for every different cable type. Recommended 130 - 150 cNm	

## Contacts

Power contacts	Part No.
Male Power contact crimp 0.75 mm <sup>2</sup> (AWG 20-18)	09465000403
Male Power contact crimp 1.0 mm <sup>2</sup> (AWG 18)	09465000407
Male Power contact crimp 1.5 mm <sup>2</sup> (AWG 16-14)	09465000401
Male Power contact crimp 2.5 mm <sup>2</sup> (AWG 12)	09465000405

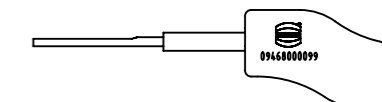
## Recommended tools

Identification	Part No.
HARTING PushPull Power	
8-indent crimping tool inclusive positioner	09468000000

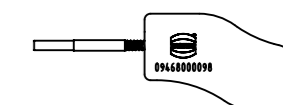


Locator HARTING PushPull Power contacts for Buchanan crimping tool (09990000001)	09468000010
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Insertion tool	09468000099
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Extraction tool	09468000098
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