



# HARTING PushPull Power, 4-pole, Plug Connector



## General information

Design	PushPull Power Connector derived from IEC 61076-3-106	
No. of contacts	4	
Contact pitch	horizontal: 4.9 (contact 1 and 2) 6.7 (contact 3 and 4) ; vertical 4.5	
Test voltage	4 kV	
Rated voltage	48 V	overvoltage category III / pollution degree 3
Working current	12 A (see derating diagram, depends on contacts)	
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	

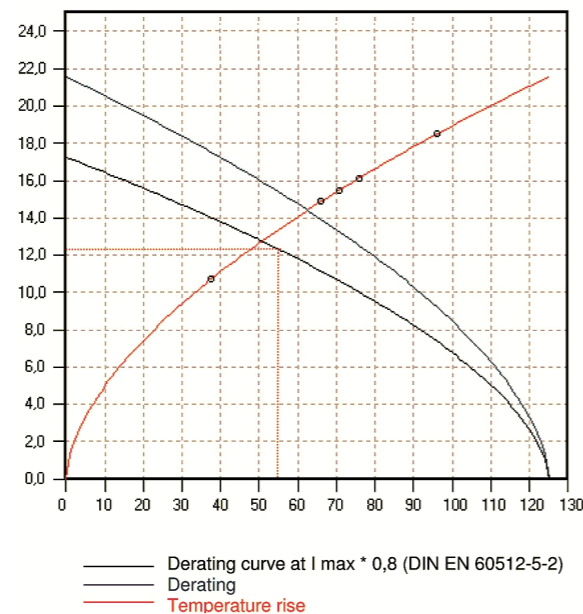
## Insulator material

Material	PC (Polycarbonate)
Color	grey
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)



## Connection data

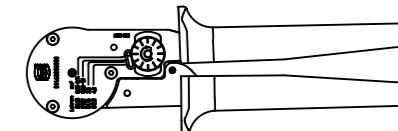
Termination	Crimp
Conductor cross section min. / max.	0.75 mm <sup>2</sup> / 2.5 mm <sup>2</sup> AWG 20-12

## 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

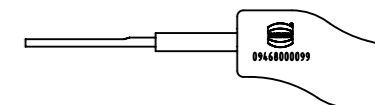
## Recommended tools

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

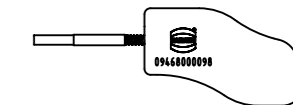


Locator HARTING PushPull Power	09468000010
contacts for Buchanan crimping tool (09990000001)	

Insertion tool	09468000099
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Extraction tool	09468000098
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