



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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)	
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	

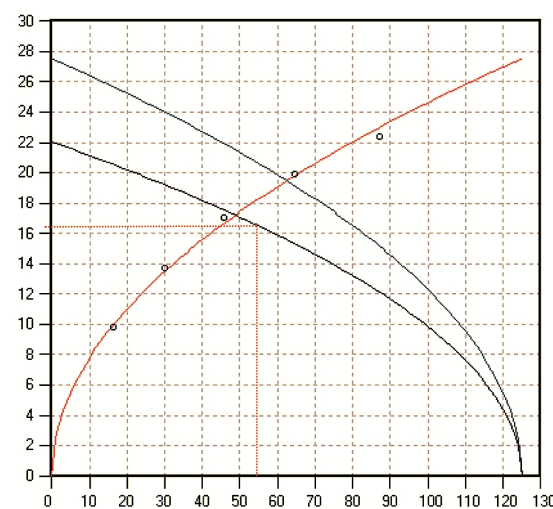
Insulator material

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 2.5mm² 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 ² / 2.5 mm ² stranded wire	AWG 20-12

Outer cable diameter

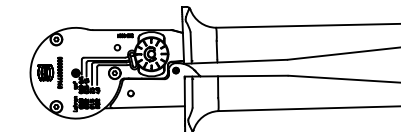
Cable Ø	4.5 mm ... 10.0 mm	
Nut fastening torque	Must be validated for every different cable type. Recommended 130 - 150 cNm	

Contacts

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

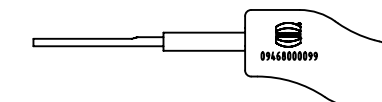
Recommended tools

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

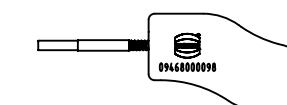


Locator HARTING PushPull Power contacts for Buchanan crimping tool (09990000001)	09468000010
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Insertion tool	09468000099
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Extraction tool	09468000098
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