



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!



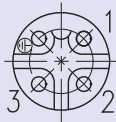

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

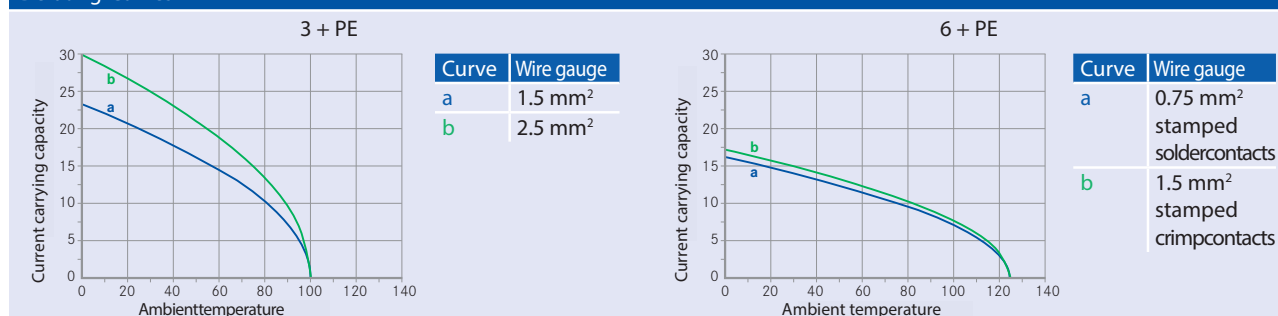
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



General Characteristics	Standard	Characteristics		
Number of contacts		3 + PE	6 + PE	
Termination technique		screw type	soldertype	crimp type
Wire gauge / AWG		0.75 - 2.5 mm ² AWG 18-14	max. 0.75mm ² AWG 18	0.14 - 1.5 mm ² AWG 26 - 16
Flammability	UL 94	VO		
Locking system		round thread		
View on termination side of male contact insert				
Electrical Characteristics				
Rated voltage	IEC 60664-1 ¹⁾	400 V	250 V	
Pollution degree	IEC 60664-1 ¹⁾	3		
Installation category	IEC 60664-1 ¹⁾	III		
Insulation group	IEC 60664-1 ¹⁾	II		
Rated impulse withstand voltage	IEC 60664-1 ¹⁾	6000 V	4000 V	
Current rating	IEC 60512-5-2	16 A / + 55°C	12 A / + 55°C	13 A / + 55°C
Contact resistance	IEC 60512-2-1	≤ 5 m Ω		
Insulation resistance	IEC 60512-3-1	≥ 10 ⁸ Ω		
Climatic Characteristics				
Climatic category	IEC 60068-1	40 / 100 / 56	40 / 125 / 56	
Operating temperature		-40°C ... +100°C	-40°C ... +125°C	
Mechanical Characteristics				
IP-degree	IEC 60529	IP 65 / IP 67		
Insertion and withdrawal forces	IEC 60512-13-2	≤ 15 N	≤ 30 N	
Mechanical operation	IEC 60512-9-1	≥ 500 mating cycles		
Materials				
Housing material		PA 6.6 / PA 6		
Dielectric material		PA 6.6 / PA 6		
Gasket material		Neopren		
Material lace for protective cover		TPE		
Contact plating		silver plating / gold plating		

Derating-Curves ²⁾



Remark

The stated technical values refer to the use as connector without breaking capacity (COC). If these components are used as plug and socket device a reduced current carrying capacity has to be considered. The characteristics have to be requested from the manufacturer.

