



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!



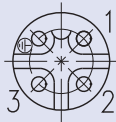

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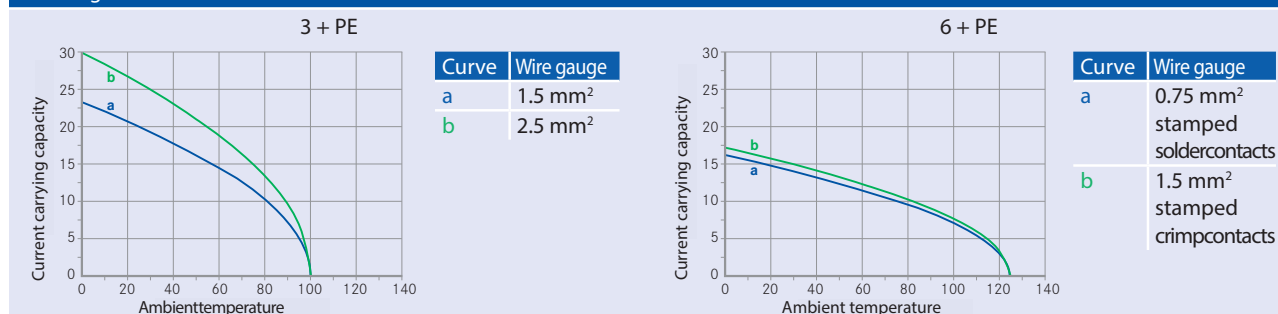
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| General Characteristics                         | Standard                  | Characteristics   |   |   |
|---|---------------------------|---|---|---|
| Number of contacts                              |                           | 3 + PE  | 6 + PE  |   |
| Termination technique                           |                           | screw type  | solder type   | crimp type                                |
| Wire gauge / AWG                                |                           | 0.75 - 2.5 mm <sup>2</sup><br>AWG 18-14   | max. 0.75mm <sup>2</sup><br>AWG 18  | 0.14 - 1.5 mm <sup>2</sup><br>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 <sup>1)</sup> | 400 V   | 250 V   |   |
| Pollution degree                                | IEC 60664-1 <sup>1)</sup> | 3   |   |   |
| Installation category                           | IEC 60664-1 <sup>1)</sup> | III   |   |   |
| Insulation group                                | IEC 60664-1 <sup>1)</sup> | II  |   |   |
| Rated impulse withstand voltage                 | IEC 60664-1 <sup>1)</sup> | 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 <sup>8</sup> 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 <sup>2)</sup>



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.

