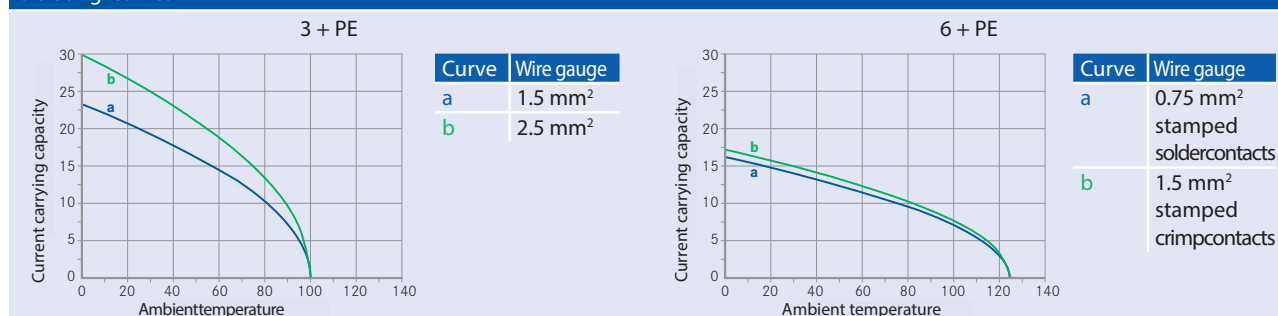


| General Characteristics                         | Standard                  | Characteristics   |   |   |
|---|---------------------------|---|---|---|
| Number of contacts                              |                           | 3 + PE  | 6 + PE  |   |
| Termination technique                           |                           | 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.

