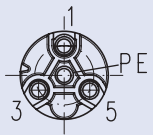
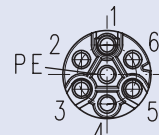
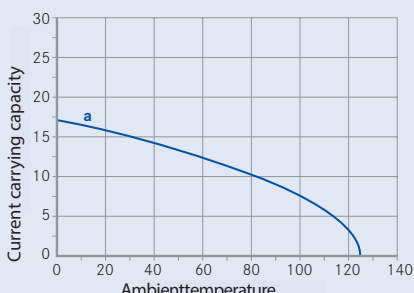




| General Characteristics | | Standard | Characteristics | | | | | |
|---|---|--|---|---|---|------|--|--|
| Number of contacts | | | 3 + PE | 6 + PE | | | | |
| Termination technique | | | crimp type | | | | | |
| Wire gauge / AWG | | | 0.14 - 1.5 mm ² AWG 26 - 16 | | | | | |
| Flammability | UL 94 | | VO | | | | | |
| Locking system | | | round thread | | | | | |
| View on termination side of male contact insert | | |  |  | | | | |
| Electrical Characteristics | | | | | | | | |
| Rated voltage | IEC 60664-1 ¹⁾ | | 600 V | | | | | |
| Pollution degree | IEC 60664-1 ¹⁾ | | 3 (mated) | | | | | |
| Installation(overvoltage)category | IEC 60664-1 ¹⁾ | | III | | | | | |
| Material group | IEC 60664-1 ¹⁾ | | II | | | | | |
| Rated impulse withstand voltage | IEC 60664-1 ¹⁾ | | 6000 V | | | | | |
| Current carrying capacity | IEC 60512-5-2 | | 14 A / + 40°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 / 125 / 56 | | | | | |
| Operating temperature | | | -40°C ... +125°C | | | | | |
| Mechanical Characteristics | | | | | | | | |
| Degree of protection | IEC 60529 | | IP 65 | | | | | |
| Insertion and withdrawal force | IEC 60512-13-2 | | ≤ 35 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 | | | | | |
| Contact plating | | | silver plating / gold plating | | | | | |
| Derating-Curves ²⁾ | | Prüfstelle | Kennwert | | | | | |
|  | <table border="1"> <thead> <tr> <th>Curve</th> <th>Wire gauge</th> </tr> </thead> <tbody> <tr> <td>a</td> <td>1.5 mm² stamped crimpcontacts</td> </tr> </tbody> </table> | Curve | Wire gauge | a | 1.5 mm ² stamped crimpcontacts | UL * |  | 3+PE, 600 V, 13 A at AWG 16 3+PE, 600 V, 5 A at AWG 26 6+PE, 600 V, 13 A at AWG 16 6+PE, 600 V, 5 A at AWG 26 |
| | | Curve | Wire gauge | | | | | |
| a | 1.5 mm ² stamped crimpcontacts | | | | | | | |
| CSA |  | 3+PE, 600 V, 10.5 A at AWG 16 6+PE, 600 V, 10.5 A at AWG 16 | | | | | | |
| | | In general approvals refer to versions of the connector series. Test report upon request. * Please refer to „conditions of acceptability“ | | | | | | |

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.

