



② Assembly instruction see N 22 091 0025

| | | | | | | | | | | | | |
|---------------------------------|-----------------|---|------|--------|----------|----------------------|------|-------|----------|------|------|--|
| Number of contacts | Standard | 3 | 4 | 5 | 5 | 6 | 7 | 7 | 8 | 12 | 14 | |
| Contact arrangement | IEC 61076-2-106 | 03-a | 04-a | 05-a | 05-b | 06-a | 07-a | 07-b | 08-a | 12-a | 14-a | |
| Rated voltage | IEC 60664-1 | 150 V | | 100 V | 32 V | 100 V | | 32 V | | | | |
| Rated impulse withstand voltage | IEC 60664-1 | 2500 V | | 1500 V | 800 V | 1500 V | | 800 V | | | | |
| Pollution degree | IEC 60664-1 | 3 ⁿ | | | | | | | | | | |
| Installation category | IEC 60664-1 | III | | | | | | | | | | |
| Insulation group | IEC 60664-1 | II | | | | | | | | | | |
| Current rating | IEC 60512-5-3 | 10A/+40°C | | | 7A/+40°C | | | | 3A/+40°C | | | |
| Insulation resistance | IEC 60512-3-1 | >10 ¹⁰ Ohm ²⁾ | | | | | | | | | | |
| Contact resistance | IEC 60512-2-1 | <5mOhm | | | | | | | | | | |
| Climatic category | IEC 60668-1 | 40 / 100 / 21 | | | | | | | | | | |
| Temperatur range | | -40°C...+100°C | | | | | | | | | | |
| IP degree | IEC 60529 | IP 68 | | | | | | | | | | |
| Insertion and withdrawal force | IEC 60512-13-2 | 25N | 30N | 35N | 35N | 50N | 55N | 55N | 60N | 50N | 50N | |
| mechanical operation | IEC 60512-9-1 | ≥500 | | | | | | | | | | |
| material housing | | Zinc die cast, nickel plated | | | | | | | | | | |
| dielectric material | | Thermoplast | | | | | | | | | | |
| sealing material | | Chloroprene | | | | | | | | | | |
| contacts | | silver or gold plated | | | | | | | | | | |
| termination technique | | solder | | | | | | | | | | |
| wire gauge | | ≤0,5mm ² | | | | ≤0,35mm ² | | | | | | |
| flamability | | UL 94 V0 | | | | | | | | | | |
| locking system | | metal screw coupling; tightening torque 0,5 - 0,7Nm | | | | | | | | | | |

¹⁾ under operating conditions >10⁸ Ohm
²⁾ designed according pollution degree 2, can be used under pollution degree 3 if the rules according IEC 60664-1 are fulfilled
 Do not connect or disconnect under load. Metal housing parts shall be securely incorporated to protected ground.
 Remark for gold plated contacts:
 In order to avoid brittle inter-metallic connections, gold plated terminals have to be tin-plated in the solder area.
 All technical data have been measured in a laboratory environment and can be different during practical usage of the product. Any product information is for descriptive usage only and not legally binding, particularly the information does not constitute or provide any legal guaranties ("Beschaffungsgarantie" or "Haltbarkeitsgarantie").

| | | | |
|--|--------------|---------------------|---------------------|
| | 14 (14-a) | C091 31D014 101 4 U | C091 31D014 201 4 U |
| | 12 (12-a) | C091 31D012 101 4 U | C091 31D012 201 4 U |
| | 8 (08-a) | C091 31D008 101 4 U | C091 31D008 201 4 U |
| | 7 (07-b) | C091 31D107 101 4 U | C091 31D107 201 4 U |
| | 7 (07-a) | C091 31D007 101 4 U | C091 31D007 201 4 U |
| | 6 (06-a) | C091 31D006 101 4 U | C091 31D006 201 4 U |
| | 5 (05-b) | C091 31D105 101 4 U | C091 31D105 201 4 U |
| | 5 (05-a) | C091 31D005 101 4 U | C091 31D005 201 4 U |
| | 4 (04-a) | C091 31D004 101 4 U | C091 31D004 201 4 U |
| | 3 (03-a) | C091 31D003 101 4 U | C091 31D003 201 4 U |

| | | | |
|--|--|--|--|
| Contact arrangement View on mating side | Number of contacts (Contact arrangement acc. IEC 61076-2-106) | Part number with silver plated contacts | Part number with gold plated contacts |
|--|--|--|--|

| | | | | | | |
|----------------------------------|---|---|------|-------------------------------------|---------------------|---------------------------|
| Gewicht (errechnet) / Calc WT: g | Zul. Abw./Tolerances: | Maßstab / Scale: 2:1 | A3 | | | |
| Prüfmaß / Testdimension | | Material: Oberfläche: | | | | |
| Teileindex Partindexnumber | | female cable connector for cable diameters 6-8mm | | | | |
| | 2013 Gez. Drawn 24.06. Gepr. Checked | Datum/Date Name Carle | | | | |
| 02 | 201300837 | 04.12.13 | IM | Amphenol-Tuchel Electronics GmbH | | |
| 01 | 201300382 | 02.07.13 | CM | | | |
| Index | Änderung/Description | Datum/Date | Name | M | C091 31DXXX X01 4 U | Blatt/Sheet 1 1 Bl. |
| | | | | Ers. f. / Replacement for: | | |

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