



* for 12,14 and 19 pol dimension is 14 ± 0,3

| | | | | | | | | | | | | | | |
|---|--------------------------|--|------|-------------------|----------|--------------------|------|-------------------------------|------|-----------------|----------|-----------------|------|--|
| Number of contacts | Standard | 3 | 4 | 5 | 5 | 6 | 7 | 7 | 8 | 12 | 14 | 14 | 19 | |
| 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 | 14-b | 19-a | |
| Contact arrangement | IEC 60130-9 ⁿ | yes | | no | | yes | | no | | no | | | | |
| Rated voltage ²⁾ | IEC 60664-1 | 300 V (100 V) | | 300 V (63 V) | | 100 V (32 V) | | 300 V (63 V) | | 100 V (32 V) | | 150 V (32 V) | | |
| Rated voltage | UL 1977 | 250V | | | | | | | | 60V | | | | |
| Rated impulse withstand voltage ²⁾ | IEC 60664-1 | 1500 V (1500 V) | | 1200 V (800 V) | | 1500 V (1500 V) | | 1200 V (800 V) | | | | | | |
| Pollution degree ²⁾ | IEC 60664-1 | 1 (2) | | | | | | | | | | | | |
| Installation category | IEC 60664-1 | I | | | | | | | | | | | | |
| Insulation group | IEC 60664-1 | II, 400 ≤ CTI < 600 | | | | | | | | | | | | |
| Current rating | IEC 60512-5-2 UL 1977 | 10A/+40°C | | | 7A/+40°C | | | | | | 3A/+40°C | | | |
| Insulation resistance | IEC 60512-3-1 | >10 ¹⁰ Ohm ³⁾ | | | | | | | | | | | | |
| Contact resistance | IEC 60512-2-1 | <5mOhm | | | | | | | | | | | | |
| Climatic category | IEC 60668-1 | 40 / 100 / 56 | | | | | | | | | | | | |
| Temperatur range | IEC 60668-1 | -40°C...+100°C / -40°F...+212°F | | | | | | | | | | | | |
| IP degree | IEC 60529 | IP 40 | | | | | | | | | | | | |
| Insertion and withdrawal force | IEC 60512-13-2 | 25N | 30N | 35N | 35N | 50N | 55N | 55N | 60N | 50N | 50N | 50N | 60N | |
| mechanical operation | IEC 60512-9-1 | Silver ≥500 mating cycles / Gold ≥1000 mating cycles | | | | | | | | | | | | |
| housing material | | brass and / or zinc die cast, nickel plated or thermoplast | | | | | | | | | | | | |
| dielectric material | | thermoplastic | | | | | | | | | | | | |
| contacts | | silver or gold plated | | | | | | | | | | | | |
| termination technique | | solder | | | | | | | | | | | | |
| wire gauge | | ≤0,5mm ² / 20 AWG | | | | | | ≤0,35mm ² / 22 AWG | | | | | | |
| flamability | | UL 94 VO | | | | | | | | | | | | |
| locking system | | metal screw coupling; tightening torque 0,7 - 1,5 Nm | | | | | | | | | | | | |

¹⁾ Edition 2000-05
²⁾ values in brackets are according to DIN EN 61076-2-106
³⁾ under operating conditions >10⁹ Ohm
 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 ("Beschaffenheitsgarantie" or "Haltbarkeitsgarantie").

| | | | |
|--|--|-----------------|--------------|
| | 19 (19-a) | Ag | T 3693 000 U |
| | | Au | T 3693 018 U |
| | 14 (14-b) | Ag | T 3673 000 U |
| | | Au | T 3673 018 U |
| | 14 (14-a) | Ag | T 3653 000 U |
| | | Au | T 3653 004 U |
| | 12 (12-a) | Ag | T 3638 000 U |
| | | Au | T 3638 004 U |
| | 8 (08-a) | Ag | T 3507 000 U |
| | | Au | T 3507 18 U |
| | 7 (07-b) | Ag | T 3487 000 U |
| | | Au | T 3487 018 U |
| | 7 (07-a) | Ag | T 3478 000 U |
| | | Au | T 3478 018 U |
| | 6 (6-a) | Ag | T 3403 000 U |
| | | Au | T 3403 018 U |
| | 5 (05-b) | Ag | T 3363 010 U |
| | | Au | T 3359 018 U |
| | 5 (05-a) | Ag | T 3363 000 U |
| | | Au | T 3363 018 U |
| | 4 (04-a) | Ag | T 3303 000 U |
| | | Au | T 3303 018 U |
| | 3 (03-a) | Ag | T 3263 000 U |
| | | Au | T 3263 018 U |
| | 2 (Pin 1+3) | Ag | T 3203 000 U |
| | | Au | T 3203 018 U |
| Contact arrangement View on mating side | Number of contacts (Contact arrangement acc. DIN EN 61076-2-106) | contact plating | Part number |

| | | | |
|--|-----------------------|-------------------------------------|----|
| Gewicht (errechnet) / Calc WT: 14,38 g | Zul. Abw./Tolerances: | Maßstab / Scale: 2:1;1:1 | A3 |
| Prüfmaß / Testdimension | ISO 2768-c | CUSTOMER DRAWING | |
| Teileindex / Partindexnumber: | DIN / ISO 13715 | | |
| Bagatelle change: 23.02.2021 MCARLE | Gez. 06.11.2020 | Female receptacle front mounting | |
| | Drawn MCARLE | | |
| | Status Released | | |
| | Gepr. 10.02.2021 | M NA T 3XXX 0XX U | |
| | Checked MBERTSCH | | |
| 02 202000083 | 06.11.2020 MCARLE | Blatt / Sheet 1 | |
| Index Änderung / Description | Datum / Date | Name | |
| Ers. f. / Replacement for: | | Blatt / Sheet 1 Bl. | |

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FAI/2020-004/52

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