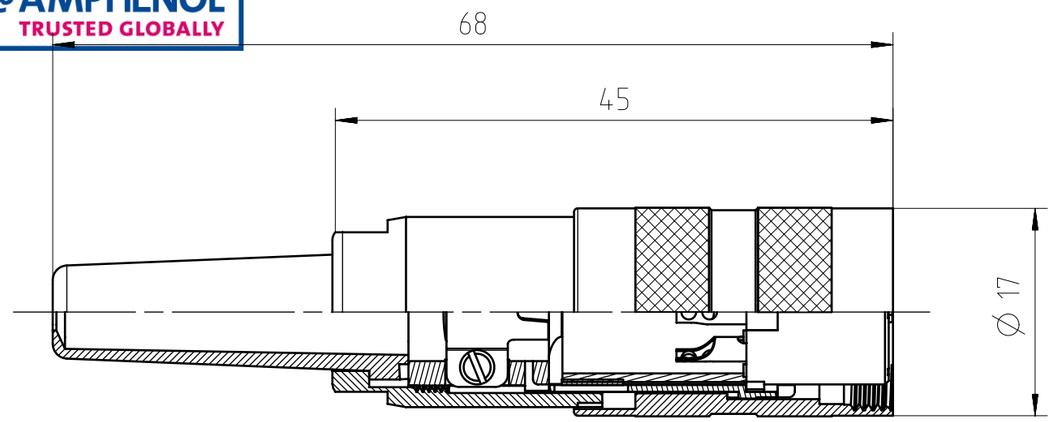
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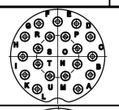
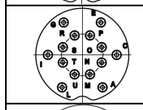
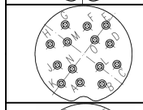
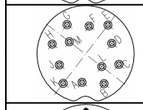
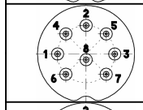
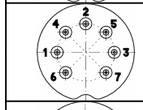
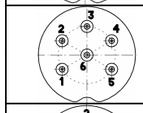
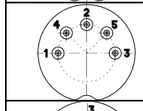
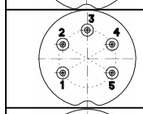
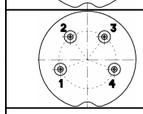
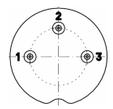
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TRUSTED GLOBALLY




| 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[1] | yes | | no | yes | | no | yes | | 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) | | 60 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 | | ≤0,5mm² / 20 AWG | | | | | | | | ≤0,35mm² / 22 AWG | | | |
| flamability | | UL 94 V0 | | | | | | | | | | | |
| 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 >$10^8$ Ohm

Do not connect or disconnect under load. Metal housing parts shall be securely incoporated 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 pratical usage of the product. Any product information is for descriptive usage only and not legally binding; particulary the information does not constitute or provide any legal guaranties ("Beschaffenheitsgarantie" or " Haltbarkeitsgarantie").

| Contact arrangement View on mating side | Number of contacts (Contact arrangement acc. DIN EN 61076-2-106) | contact plating | Part number |
|---|---|---|---|
|  | 19 (19-a) | Ag | T 3691 001 U |
| | | Au | T 3691 018 U |
|  | 14 (14-b) | Ag | T 3671 001 U |
| | | Au | T 3671 018 U |
|  | 14 (14-a) | Ag | T 3651 001 U |
| | | Au | T 3651 000 U |
|  | 12 (12-a) | Ag | T 3636 001 U |
| | | Au | T 3636 000 U |
|  | 8 (08-a) | Ag | T 3505 001 U |
| | | Au | T 3505 018 U |
|  | 7 (07-b) | Ag | T 3485 001 U |
| | | Au | T 3485 018 U |
|  | 7 (07-a) | Ag | T 3476 001 U |
| | | Au | T 3476 018 U |
|  | 6 (6-a) | Ag | T 3401 001 U |
| | | Au | T 3401 018 U |
|  | 5 (05-b) | Ag | T 3361 010 U |
| | | Au | T 3357 018 U |
|  | 5 (05-a) | Ag | T 3361 001 U |
| | | Au | T 3361 018 U |
|  | 4 (04-a) | Ag | T 3301 001 U |
| | | Au | T 3301 018 U |
|  | 3 (03-a) | Ag | T 3261 001 U |
| | | Au | T 3261 018 U |
| | 2 (Pin 1+3) | Ag | T 3201 001 U |
| | | Au | T 3201 018 U |

Gewicht (errechnet) / *Calc WT*: 29,13 g
Prüfmaß / *Testdimension*
Teileindex / *Partindexnumber:*
*Bagatelle change:* 23.02.2021 MCARLE

| Index | Änderung/ *Description* | Datum/ *Date* | Name |
|---|---|---|---|
| 01 | 202000083 | 05.02.2021 | MCARL |

Zul. Abw./ *Tolerances*: ISO 2768-c
*DIN / ISO 13715*

| | |
|---|---|
| Gez. | 08.12.2020 |
| Drawn | MCARLE |
| Status | Released |
| Gepr. | 10.02.2021 |
| Checked | MBERTSCH |

**Amphenol Tuchel Industrial GmbH**

Maßstab / *Scale*: 2:1 | A3

# CUSTOMER DRAWING

## Female cable connector
*Cable diameter 4-6mm*

M DA T 3XXX 001+010+018 U

Blatt/ *Sheet* 1 | 1 Bl.

Ers. f. / *Replacement for*:

FAI2020-00445O | NXM-V01

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