



|   |                           |  |      |                   |                    |                 |                   |                               |      |                 |      |                |      |
|---|---------------------------|--|------|-------------------|--------------------|-----------------|-------------------|-------------------------------|------|-----------------|------|----------------|------|
| 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 <sup>1)</sup> | yes  |      | no                | yes                |                 | no                | yes                           |      | no              |      |                |      |
| Rated voltage <sup>2)</sup>                   | IEC 60664-1               | 300 V<br>(100 V)   |      | 300 V<br>(63 V)   | 100 V<br>(32 V)    | 300 V<br>(63 V) |                   | 100 V<br>(32 V)               |      | 150 V<br>(32 V) |      | 60 V<br>(32 V) |      |
| Rated voltage                                 | UL 1977                   | 250V   |      |                   |                    |                 |                   |                               |      | 60V             |      |                |      |
| Rated impulse withstand voltage <sup>2)</sup> | IEC 60664-1               | 1500 V<br>(1500 V)   |      | 1200 V<br>(800 V) | 1500 V<br>(1500 V) |                 | 1200 V<br>(800 V) |                               |      |                 |      |                |      |
| Pollution degree <sup>2)</sup>                | 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<br>UL 1977  | 10A/+40°C  |      | 7A/+40°C          |                    |                 |                   |                               |      | 3A/+40°C        |      |                |      |
| Insulation resistance                         | IEC 60512-3-1             | >10 <sup>10</sup> Ohm <sup>3)</sup>                        |      |                   |                    |                 |                   |                               |      |                 |      |                |      |
| 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 <sup>2</sup> / 20 AWG                               |      |                   |                    |                 |                   | ≤0,35mm <sup>2</sup> / 22 AWG |      |                 |      |                |      |
| flamability                                   |                           | UL 94 V0   |      |                   |                    |                 |                   |                               |      |                 |      |                |      |
| locking system                                |                           | metal screw coupling; tightening torque 0,7 - 1,5 Nm       |      |                   |                    |                 |                   |                               |      |                 |      |                |      |

Gewicht (errechnet) / Calc WT: 29,581 g  
 Prüfmaß / Testdimension  
 Teileindex / Partindexnumber:  
 Bagatelle change: 22.02.2021 MCARLE

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

Maßstab / Scale: 2:1  
 A3

**CUSTOMER DRAWING**

Male cable connector  
 for cable diameter 4-6mm

Gez. 05.02.2021  
 Drawn MCARLE  
 Status Released  
 Gepr. 10.02.2021  
 Checked MBERTSCH

**Amphenol Tuchel Industrial GmbH**

M HA T 3XXX 001+010+018 U

01 202000083 05.02.2021 MCARLE  
 Index Änderung/Description Datum/Date Name

Ers. f. / Replacement for:

|   |                |  |              |
|---|----------------|--|--------------|
|   | 19<br>(19-a)   | Ag   | T 3690 001 U |
|   |                | Au   | T 3690 018 U |
|   | 14<br>(14-b)   | Ag   | T 3670 001 U |
|   |                | Au   | T 3670 018 U |
|   | 14<br>(14-a)   | Ag   | T 3650 001 U |
|   |                | Au   | T 3650 000 U |
|   | 12<br>(12-a)   | Ag   | T 3635 001 U |
|   |                | Au   | T 3635 000 U |
|   | 8<br>(08-a)    | Ag   | T 3504 001 U |
|   |                | Au   | T 3504 018 U |
|   | 7<br>(07-b)    | Ag   | T 3484 001 U |
|   |                | Au   | T 3484 018 U |
|   | 7<br>(07-a)    | Ag   | T 3475 001 U |
|   |                | Au   | T 3475 018 U |
|   | 6<br>(6-a)     | Ag   | T 3400 001 U |
|   |                | Au   | T 3400 018 U |
|   | 5<br>(05-b)    | Ag   | T 3356 010 U |
|   |                | Au   | T 3356 018 U |
|   | 5<br>(05-a)    | Ag   | T 3360 001 U |
|   |                | Au   | T 3360 018 U |
|   | 4<br>(04-a)    | Ag   | T 3300 001 U |
|   |                | Au   | T 3300 018 U |
|   | 3<br>(03-a)    | Ag   | T 3260 001 U |
|   |                | Au   | T 3260 018 U |
|   | 2<br>(Pin 1+3) | Ag   | T 3200 001 U |
|   |                | Au   | T 3200 018 U |
| Contact arrangement View on mating side |                | Number of contacts (Contact arrangement acc. DIN EN 61076-2-106) |              |
|   |                | Part number  |              |

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<sup>1)</sup> Edition 2000-05  
<sup>2)</sup> values in brackets are according to DIN EN 61076-2-106  
<sup>3)</sup> under operating conditions >10<sup>9</sup> 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 ("Beschaffensgarantie" or "Haltbarkeitsgarantie").

FAI2021-000622  
NXM-V01

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