



|   |                           |  |      |                |          |                 |      |                               |      |              |          |                          |      |  |
|---|---------------------------|--|------|----------------|----------|-----------------|------|-------------------------------|------|--------------|----------|--------------------------|------|--|
| 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          |          |                          |      |  |
| Rated voltage <sup>2)</sup>                   | 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 <sup>2)</sup> | IEC 60664-1               | 1500 V (1500 V)  |      | 1200 V (800 V) |          | 1500 V (1500 V) |      | 1200 V (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 VO   |      |                |          |                 |      |                               |      |              |          |                          |      |  |
| locking system                                |                           | metal screw coupling; tightening torque 0,7 - 1,5 Nm       |      |                |          |                 |      |                               |      |              |          |                          |      |  |

|   |                       |
|---|-----------------------|
| Gewicht (errechnet) / Calc WT: 0,029 kg | Zul. Abw./Tolerances: |
| Prüfmaß / Testdimension                 | ISO 2768-c            |
| Teileindex / Partindexnumber:           | DIN / ISO 13715       |
| Bagatelle change: 23.02.2021 MCARLE     |                       |

|               |            |
|---------------|------------|
| Gez. Drawn    | 02.12.2020 |
| Status        | MCARLE     |
| Gepr. Checked | Released   |
|               | 10.02.2021 |
|               | MBERTSCH   |

|   |    |  |
|---|----|--|
| Maßstab / Scale: 2:1                                | A3 |  |
| <b>CUSTOMER DRAWING</b>                             |    |  |
| Female cable connector<br>PG9, cable diameter 6-8mm |    |  |

|  |  |                 |              |
|--|--|-----------------|--------------|
|  | 19 (19-a)  | Ag              | T 3691 002 U |
|  |  | Au              | T 3691 028 U |
|  | 14 (14-b)  | Ag              | T 3671 002 U |
|  |  | Au              | T 3671 028 U |
|  | 14 (14-a)  | Ag              | T 3651 020 U |
|  |  | Au              | T 3651 002 U |
|  | 12 (12-a)  | Ag              | T 3636 020 U |
|  |  | Au              | T 3636 002 U |
|  | 8 (08-a)   | Ag              | T 3505 002 U |
|  |  | Au              | T 3505 028 U |
|  | 7 (07-b)   | Ag              | T 3485 002 U |
|  |  | Au              | T 3485 028 U |
|  | 7 (07-a)   | Ag              | T 3476 002 U |
|  |  | Au              | T 3476 028 U |
|  | 6 (6-a)  | Ag              | T 3401 002 U |
|  |  | Au              | T 3401 028 U |
|  | 5 (05-b)   | Ag              | T 3361 020 U |
|  |  | Au              | T 3357 028 U |
|  | 5 (05-a)   | Ag              | T 3361 002 U |
|  |  | Au              | T 3361 028 U |
|  | 4 (04-a)   | Ag              | T 3301 002 U |
|  |  | Au              | T 3301 028 U |
|  | 3 (03-a)   | Ag              | T 3261 002 U |
|  |  | Au              | T 3261 028 U |
|  | 2 (Pin 1+3)  | Ag              | T 3201 002 U |
|  |  | Au              | T 3201 028 U |
| <b>Contact arrangement View on mating side</b> | Number of contacts (Contact arrangement acc. DIN EN 61076-2-106) | contact plating | Part number  |

|       |                      |            |        |
|-------|----------------------|------------|--------|
| 01    | 202000083            | 08.12.2020 | MCARLE |
| Index | Änderung/Description | Datum/Date | Name   |

|  |  |
|--|--|
| <b>Amphenol Tuchel Industrial GmbH</b> |  |
|--|--|

|                            |               |
|----------------------------|---------------|
| M DA T 3XXX 002+020+028    | Blatt/Sheet 1 |
| Ers. f. / Replacement for: | 1 Bl.         |

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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 ("Beschaffenheitsgarantie" or "Haltbarkeitsgarantie").

FAI2020-004404  
NXM-V05