



|   |                           |  |      |                |          |                 |      |                               |      |              |          |                          |      |  |
|---|---------------------------|--|------|----------------|----------|-----------------|------|-------------------------------|------|--------------|----------|--------------------------|------|--|
| 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: 34,46 g | Zul. Abw./Tolerances: |
| Prüfmaß / Testdimension                | ISO 2768-c            |
| Teileindex / Partindexnumber:          | DIN / ISO 13715       |
| Bagatelle change: 23.02.2021 MCARLE    |                       |

|                         |    |
|-------------------------|----|
| Maßstab / Scale: 2:1    | A3 |
| <b>CUSTOMER DRAWING</b> |    |

|                                    |   |
|------------------------------------|---|
| Gez. Drawn: 30.11.2020 MCARLE      | Female cable connector<br>PG7, cable diameter 4-6mm |
| Status: Released                   |   |
| Gepr. Checked: 10.02.2021 MBERTSCH |   |

|       |                        |              |        |
|-------|------------------------|--------------|--------|
| 02    | 202000083              | 05.02.2021   | MCARLE |
| Index | Änderung / Description | Datum / Date | Name   |

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

|  |                  |
|--|------------------|
| M DA T 3XXX 004+048 U                                  | Blatt / Sheet: 1 |
| Ers. f. / Replacement for: M-DA T 3XXX 004+048 U Rev01 | 1 Bl.            |

|  |  |                 |              |
|--|--|-----------------|--------------|
|  | 19 (19-a)  | Ag              | T 3691 004 U |
|  |  | Au              | T 3691 048 U |
|  | 14 (14-b)  | Ag              | T 3671 004 U |
|  |  | Au              | T 3671 048 U |
|  | 14 (14-a)  | Ag              | T 3651 044 U |
|  |  | Au              | T 3651 004 U |
|  | 12 (12-a)  | Ag              | T 3636 044 U |
|  |  | Au              | T 3636 004 U |
|  | 8 (08-a)   | Ag              | T 3505 004 U |
|  |  | Au              | T 3505 048 U |
|  | 7 (07-b)   | Ag              | T 3485 004 U |
|  |  | Au              | T 3485 048 U |
|  | 7 (07-a)   | Ag              | T 3476 004 U |
|  |  | Au              | T 3476 048 U |
|  | 6 (6-a)  | Ag              | T 3401 004 U |
|  |  | Au              | T 3401 048 U |
|  | 5 (05-b)   | Ag              | T 3361 004 U |
|  |  | Au              | T 3357 048 U |
|  | 5 (05-a)   | Ag              | T 3361 004 U |
|  |  | Au              | T 3361 048 U |
|  | 4 (04-a)   | Ag              | T 3301 004 U |
|  |  | Au              | T 3301 048 U |
|  | 3 (03-a)   | Ag              | T 3261 004 U |
|  |  | Au              | T 3261 048 U |
|  | 2 (Pin 1+3)  | Ag              | T 3201 004 U |
|  |  | Au              | T 3201 048 U |
| <b>Contact arrangement View on mating side</b> | Number of contacts (Contact arrangement acc. DIN EN 61076-2-106) | contact plating | Part number  |

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