



|   |                          |  |      |                |          |                 |      |                               |      |              |          |                          |      |  |
|---|--------------------------|--|------|----------------|----------|-----------------|------|-------------------------------|------|--------------|----------|--------------------------|------|--|
| 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>n</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 V0   |      |                |          |                 |      |                               |      |              |          |                          |      |  |
| 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 |
| Gepr. Released | MCARLE     |
| Checked        | 10.02.2021 |
|                | MBERTSCH   |

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

|       |                        |              |        |
|-------|------------------------|--------------|--------|
| 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 |
|                            |    |   |      |             | J 1           |
|                            |    |   |      |             | 1 Bl.         |
| Ers. f. / Replacement for: |    |   |      |             |               |

|  |  |                 |              |
|--|--|-----------------|--------------|
|  | 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  |

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FAI2020-004404

NXM-V05

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