



|                                               |                                   |                                                                                                                                         |                 |                              |                             |                          |                   |                 |                          |                 |                 |  |
|-----------------------------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------|-----------------------------|--------------------------|-------------------|-----------------|--------------------------|-----------------|-----------------|--|
| Number of contacts                            | Standard                          | 3                                                                                                                                       | 4               | 5                            | 5                           | 6                        | 7                 | 7               | 8                        | 12              | 14              |  |
| Contact arrangement                           | DIN EN 61076-2-106                | 03-a                                                                                                                                    | 04-a            | 05-a                         | 05-b                        | 06-a                     | 07-a              | 07-b            | 08-a                     | 12-a            | 14-a            |  |
| Contact arrangement                           | IEC 60130-9 <sup>1)</sup>         | yes                                                                                                                                     | no              | 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)   | 150 V<br>(32 V) | 150 V<br>(32 V)          | 150 V<br>(32 V) | 150 V<br>(32 V) |  |
| Rated voltage                                 | UL 1977                           | 250 V                                                                                                                                   |                 |                              |                             |                          |                   |                 |                          | 60 V            |                 |  |
| 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                     | <5m Ohm                                                                                                                                 |                 |                              |                             |                          |                   |                 |                          |                 |                 |  |
| 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               | 5N              | 60N                      | 50N             | 50N             |  |
| Mechanical operation                          | IEC 60512-9-1                     | silver ≥500 mating cycles<br>gold ≥1000 mating cycles                                                                                   |                 |                              |                             |                          |                   |                 |                          |                 |                 |  |
| Housing material                              |                                   | brass or zinc die cast nickel plated or thermoplast                                                                                     |                 |                              |                             |                          |                   |                 |                          |                 |                 |  |
| Dielectric material                           |                                   | thermoplastic                                                                                                                           |                 |                              |                             |                          |                   |                 |                          |                 |                 |  |
| Contacts                                      |                                   | silver or gold plated, please order contacts separately acc. to drawing<br>M-N 02 015 00XX X (3-8pol) or M-N 02 010 0157 X U (12-14pol) |                 |                              |                             |                          |                   |                 |                          |                 |                 |  |
| Termination technique                         |                                   | crimp                                                                                                                                   |                 |                              |                             |                          |                   |                 |                          |                 |                 |  |
| Wire gauge                                    |                                   | 0,09-1,0mm <sup>2</sup>                                                                                                                 |                 | 0,09-0,75<br>mm <sup>2</sup> | 0,09-1,0<br>mm <sup>2</sup> | 0,09-0,75mm <sup>2</sup> |                   |                 | 0,09-0,25mm <sup>2</sup> |                 |                 |  |
| Flamability                                   |                                   | UL 94 VO                                                                                                                                |                 |                              |                             |                          |                   |                 |                          |                 |                 |  |
| locking system                                | IEC 60130-9<br>DIN EN 61076-2-106 | metal screw coupling; tightening torque 0,7-1,5 Nm                                                                                      |                 |                              |                             |                          |                   |                 |                          |                 |                 |  |

<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>8</sup> Ohm

Do not connect or disconnect under load. Metal housing parts shall be securely incorporated to protected ground.  
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 ("Beschaffungsgarantie" or "Haltbarkeitsgarantie").

|                                                    |                                                                             |                    |
|----------------------------------------------------|-----------------------------------------------------------------------------|--------------------|
|                                                    | 14 (14-a)                                                                   | T 3651 551 U       |
|                                                    | 12 (12-a)                                                                   | T 3636 551 U       |
|                                                    | 8 (08-a)                                                                    | T 3505 551 U       |
|                                                    | 7 (07-b)                                                                    | T 3485 551 U       |
|                                                    | 7 (07-a)                                                                    | T 3476 551 U       |
|                                                    | 6 (06-a)                                                                    | T 3401 551 U       |
|                                                    | 5 (05-b)                                                                    | T 3357 551 U       |
|                                                    | 5 (05-a)                                                                    | T 3361 551 U       |
|                                                    | 4 (04-a)                                                                    | T 3301 551 U       |
|                                                    | 3 (03-a)                                                                    | T 3261 551 U       |
|                                                    | 2 (Pin 1+3)                                                                 | T 3201 551 U       |
| <p>Contact arrangement<br/>View on mating side</p> | <p>Number of contacts<br/>(Contact arrangement acc. DIN EN 61076-2-106)</p> | <p>Part number</p> |

|                                         |  |                                 |  |                      |  |                                                  |  |                                                     |  |
|-----------------------------------------|--|---------------------------------|--|----------------------|--|--------------------------------------------------|--|-----------------------------------------------------|--|
| Gewicht (errechnet) / Calc WT: 29,036 g |  | Zul. Abw./Tolerances:           |  | Maßstab / Scale: 2:1 |  | A3                                               |  |                                                     |  |
| Prüfmaß / Testdimension                 |  | ISO 2768-c                      |  | DIN / ISO 13715      |  | CUSTOMER DRAWING                                 |  |                                                     |  |
| Teileindex / Partindexnumber:           |  | Gez. Drawn                      |  | 15.06.2021           |  | Female cable connector<br>female cable connector |  |                                                     |  |
| Bagatelle change:                       |  | Status                          |  | Released             |  |                                                  |  |                                                     |  |
|                                         |  | Gepr. Checked                   |  | 16.06.2021           |  | M DA T 3XXX 551 U                                |  |                                                     |  |
|                                         |  |                                 |  | MBERTSCH             |  |                                                  |  |                                                     |  |
|                                         |  | Amphenol Tuchel Industrial GmbH |  |                      |  | Blatt / Sheet                                    |  | 1                                                   |  |
| 02                                      |  | 202100006                       |  | 15.06.2021           |  | MCARL                                            |  | 1 Bl.                                               |  |
| Index                                   |  | Änderung / Description          |  | Datum / Date         |  | Name                                             |  | Ers. f. / Replacement for: M-DA T 3XXX 551 U Rev.01 |  |

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