



|                                               |                                   |                                                                                                                                         |                   |                   |                   |                                      |                 |                 |      |      |      |  |
|-----------------------------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------|-------------------|--------------------------------------|-----------------|-----------------|------|------|------|--|
| Number of contacts                            | Standard                          | 3                                                                                                                                       | 4                 | 5                 | 5S                | 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>         |                                                                                                                                         |                   | -                 |                   |                                      |                 |                 |      |      |      |  |
| 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) |                 |      |      |      |  |
| Rated voltage                                 | UL 1977                           | 250 V                                                                                                                                   |                   |                   |                   |                                      |                 | 60 V            |      |      |      |  |
| Rated impulse withstand voltage <sup>2)</sup> | IEC 60664-1                       | 1500 V<br>(840 V)                                                                                                                       | 1200 V<br>(500 V) | 1500 V<br>(840 V) | 1200 V<br>(500 V) |                                      |                 |                 |      |      |      |  |
| Pollution degree <sup>2)</sup>                | IEC 60664-1                       | 1 (3 <sup>3)</sup> )                                                                                                                    |                   |                   |                   |                                      |                 |                 |      |      |      |  |
| 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/+104°F                                                                                                                        |                   | 7A/+40°C/+104°F   |                   |                                      |                 | 3A/+40°C/+104°F |      |      |      |  |
| Insulation resistance                         | IEC 60512-3-1                     | >10 <sup>10</sup> Ohm <sup>4)</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               | 50N               | 55N                                  | 60N             | 50N             |      |      |      |  |
| Mechanical operation                          | IEC 60512-9-1                     | silver ≥500 mating cycles<br>gold ≥1000 mating cycles                                                                                   |                   |                   |                   |                                      |                 |                 |      |      |      |  |
| Housing material                              |                                   | brass and / or zinc die cast, nickel plated                                                                                             |                   |                   |                   |                                      |                 |                 |      |      |      |  |
| Dielectric material                           |                                   | thermoplastic                                                                                                                           |                   |                   |                   |                                      |                 |                 |      |      |      |  |
| Contacts                                      |                                   | silver or gold plated, please order contacts separately acc. to drawing<br>M-N 01 015 00XX X (3-8pol) or M-N 01 010 0158 X U (12-14pol) |                   |                   |                   |                                      |                 |                 |      |      |      |  |
| Termination technique                         |                                   | solder, crimp                                                                                                                           |                   |                   |                   |                                      |                 |                 |      |      |      |  |
| Wire gauge                                    |                                   | 2-6 pol (exclusive 5S): 0,09-1,0mm <sup>2</sup> / 28-18 AWG                                                                             |                   |                   |                   | 0,09-0,25mm <sup>2</sup> / 28-24 AWG |                 |                 |      |      |      |  |
| Flamability                                   |                                   | UL 94 VO                                                                                                                                |                   |                   |                   |                                      |                 |                 |      |      |      |  |
| locking system                                | IEC 60130-9<br>DIN EN 61076-2-106 | metal screw coupling; tightening torque 1,0 Nm                                                                                          |                   |                   |                   |                                      |                 |                 |      |      |      |  |

<sup>1)</sup> Edition 2000-05  
<sup>2)</sup> values in brackets are according to DIN EN 61076-2-106  
<sup>3)</sup> designed acc. pollution degree 2; can be used under pollution degree 3 when the rules of IEC 60664-1 are fulfilled  
<sup>4)</sup> under operating conditions >10<sup>8</sup> Ohm  
<sup>5)</sup> 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. Do not connect or disconnect under load. Metal housing parts shall be securely incorporated to protected ground. Parts according to directive 2002/95/EG (RoHS).

|                                                |                                                                  |                    |
|------------------------------------------------|------------------------------------------------------------------|--------------------|
|                                                | 14<br>(14-a)                                                     | T 3650 552 U       |
|                                                | 12<br>(12-a)                                                     | T 3635 552 U       |
|                                                | 8<br>(08-a)                                                      | T 3504 552 U       |
|                                                | 7<br>(07-b)                                                      | T 3484 552 U       |
|                                                | 7<br>(07-a)                                                      | T 3475 552 U       |
|                                                | 6<br>(6-a)                                                       | T 3400 552 U       |
|                                                | 5<br>(05-b)                                                      | T 3356 552 U       |
|                                                | 5<br>(05-a)                                                      | T 3360 552 U       |
|                                                | 4<br>(04-a)                                                      | T 3300 552 U       |
|                                                | 3<br>(03-a)                                                      | T 3260 552 U       |
| <b>Contact arrangement View on mating side</b> | Number of contacts (Contact arrangement acc. DIN EN 61076-2-106) | <b>Part number</b> |

|                                         |  |                             |  |                             |  |    |  |
|-----------------------------------------|--|-----------------------------|--|-----------------------------|--|----|--|
| Gewicht (errechnet) / Calc WT: 0,027 kg |  | Zul. Abw./Tolerances:       |  | Maßstab / Scale: 2:1        |  | A3 |  |
| Prüfmaß / Testdimension                 |  | DIN / ISO 13715             |  | <b>CUSTOMER DRAWING</b>     |  |    |  |
| Teileindex Partindexnumber              |  | Name                        |  |                             |  |    |  |
| Gez. / Drawn                            |  | Datum / Date                |  | <b>Male cable connector</b> |  |    |  |
| 13.06.2016                              |  | RSCHÄ                       |  |                             |  |    |  |
| Status: Released                        |  | Inspector: 07.07.2016 MGRIM |  | <b>M HA T 3XXX 552 U</b>    |  |    |  |
| Amphenol-Tuchel Electronics GmbH        |  | Blatt / Sheet 1             |  |                             |  |    |  |
| 01 201600320                            |  | 13.06.2016 RSCHÄ            |  | <b>1 BL</b>                 |  |    |  |
| Index Änderung / Description            |  | Datum / Date Name           |  |                             |  |    |  |
| 4.033.588                               |  | Ers. f. / Replacement for:  |  |                             |  |    |  |

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