



|   |                           |  |      |                   |          |                    |      |                               |      |                 |          |                 |      |  |
|---|---------------------------|--|------|-------------------|----------|--------------------|------|-------------------------------|------|-----------------|----------|-----------------|------|--|
| 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                            |      | 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) |      |  |
| Rated voltage                                 | UL 1977                   | 250V   |      |                   |          |                    |      |                               |      | 60V             |          |                 |      |  |
| 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             | <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       |      |                   |          |                    |      |                               |      |                 |          |                 |      |  |

<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 ("Beschaffensgarantie" or "Haltbarkeitsgarantie").

|   |  |             |              |
|---|--|-------------|--------------|
|   | 19<br>(19-a)   | Ag          | T 3690 002 U |
|   |  | Au          | T 3690 028 U |
|   | 14<br>(14-b)   | Ag          | T 3670 002 U |
|   |  | Au          | T 3670 028 U |
|   | 14<br>(14-a)   | Ag          | T 3650 020 U |
|   |  | Au          | T 3650 002 U |
|   | 12<br>(12-a)   | Ag          | T 3635 020 U |
|   |  | Au          | T 3635 002 U |
|   | 8<br>(08-a)  | Ag          | T 3504 002 U |
|   |  | Au          | T 3504 028 U |
|   | 7<br>(07-b)  | Ag          | T 3484 002 U |
|   |  | Au          | T 3484 028 U |
|   | 7<br>(07-a)  | Ag          | T 3475 002 U |
|   |  | Au          | T 3475 028 U |
|   | 6<br>(6-a)   | Ag          | T 3400 002 U |
|   |  | Au          | T 3400 028 U |
|   | 5<br>(05-b)  | Ag          | T 3356 020 U |
|   |  | Au          | T 3356 028 U |
|   | 5<br>(05-a)  | Ag          | T 3360 002 U |
|   |  | Au          | T 3360 028 U |
|   | 4<br>(04-a)  | Ag          | T 3300 002 U |
|   |  | Au          | T 3300 028 U |
|   | 3<br>(03-a)  | Ag          | T 3260 002 U |
|   |  | Au          | T 3260 028 U |
|   | 2<br>(Pin 1+3)   | Ag          | T 3200 002 U |
|   |  | Au          | T 3200 028 U |
| Contact arrangement View on mating side | Number of contacts (Contact arrangement acc. DIN EN 61076-2-106) | Part number |              |

|   |  |                            |    |
|---|--|----------------------------|----|
| Gewicht (errechnet) / Calc WT: 0,027 kg | Zul. Abw./Tolerances:                  | Maßstab / Scale: 2:1       | A3 |
| Prüfmaß / Testdimension                 | ISO 2768-c                             | CUSTOMER DRAWING           |    |
| Teileindex / Partindexnumber:           | DIN / ISO 13715                        | Male cable connector       |    |
| Bagatelle change:                       | Gez. 05.02.2021                        | PG9, cable diameter 6-8mm  |    |
|   | Drawn MCARLE                           |                            |    |
|   | Status Released                        |                            |    |
|   | Gepr. 23.02.2021                       |                            |    |
|   | Checked MBERTSCH                       |                            |    |
|   | <b>Amphenol Tuchel Industrial GmbH</b> | Blatt / Sheet 1            |    |
| 01 202000083                            | 05.02.2021 MCARLE                      | M HA T 3XXX 002+020+028    |    |
| Index                                   | Änderung / Description                 | Ers. f. / Replacement for: |    |

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