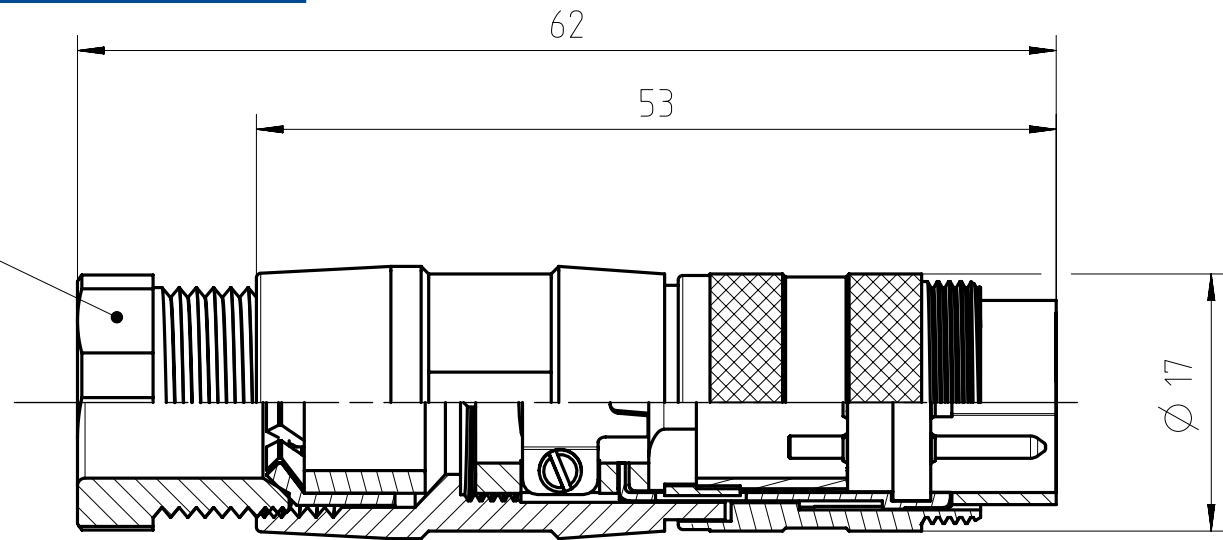


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PG 9



|                                               |                          |                                                            |      |                 |                   |                    |      |                   |      |                   |      |                |      |
|-----------------------------------------------|--------------------------|------------------------------------------------------------|------|-----------------|-------------------|--------------------|------|-------------------|------|-------------------|------|----------------|------|
| 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               |      | 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)   |      | 60 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                                    |                          | ≤0,5mm² / 20 AWG                                           |      |                 |                   |                    |      |                   |      | ≤0,35mm² / 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>8</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 ("Beschaffenheitsgarantie" or "Haltbarkeitsgarantie").

|                                         |                        |                                 |            |
|-----------------------------------------|------------------------|---------------------------------|------------|
| Gewicht (errechnet) / Calc WT: 0,027 kg |                        | Zul. Abw./Tolerances:           |            |
| Prüfmaß / Testdimension                 |                        | ISO 2768-c                      |            |
| Teileindex / Partindexnumber:           |                        | DIN / ISO 13715                 |            |
| Bagatelle change:                       |                        |                                 |            |
|                                         |                        | Gez.                            | 05.02.2021 |
|                                         |                        | Drawn                           | MCARLE     |
|                                         |                        | Status                          | Released   |
|                                         |                        | Gepr.                           | 23.02.2021 |
|                                         |                        | Checked                         | MBERTSCH   |
|                                         |                        | Amphenol Tuchel Industrial GmbH |            |
| 01                                      | 202000083              | 05.02.2021                      | MCARLE     |
| Index                                   | Änderung / Description | Datum / Date                    | Name       |

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

|                                                   |    |                    |                 |
|---------------------------------------------------|----|--------------------|-----------------|
| Maßstab / Scale: 2:1                              |    | A3                 |                 |
| CUSTOMER DRAWING                                  |    |                    |                 |
| Male cable connector<br>PG9, cable diameter 6-8mm |    |                    |                 |
| M                                                 | HA | T 3XXX 002+020+028 | Blatt / Sheet 1 |
| Ers. f. / Replacement for:                        |    |                    |                 |

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