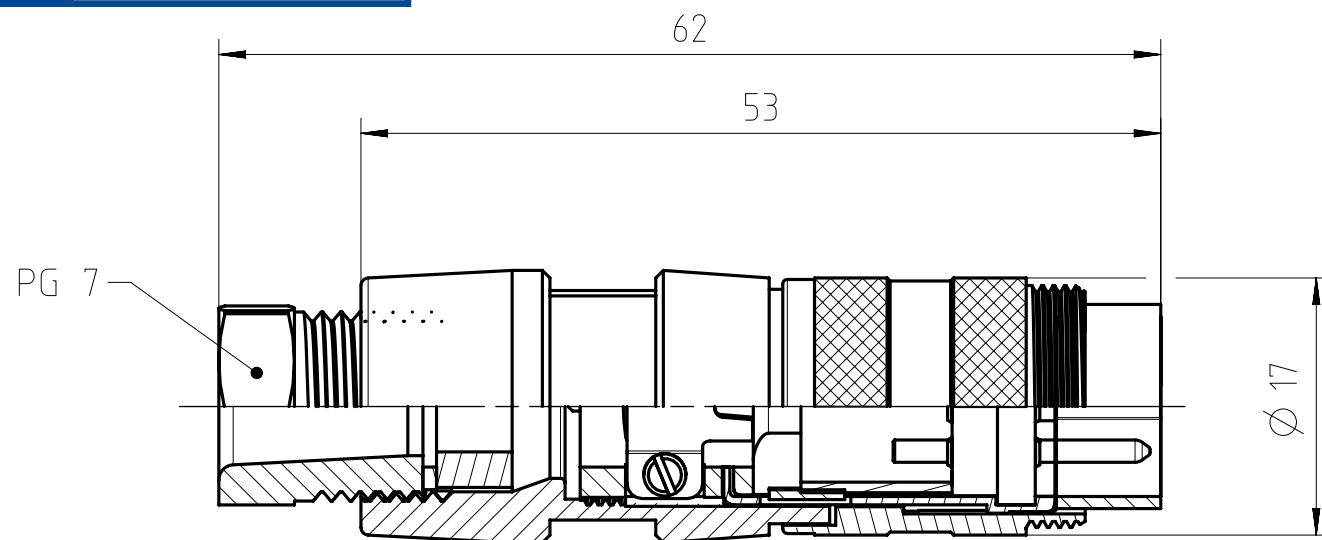


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|                                               |                          |                                                            |      |                 |                   |                    |      |                   |      |                               |      |                |      |
|-----------------------------------------------|--------------------------|------------------------------------------------------------|------|-----------------|-------------------|--------------------|------|-------------------|------|-------------------------------|------|----------------|------|
| 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                                    |                          | ≤0,5mm <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>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  
Prüfmaß / Testdimension  
Teileindex / Partindexnumber:  
Bagatelle change:

Zul. Abw./Tolerances:  
ISO 2768-c  
Gez. Drawn: 10.12.2020  
Status: MCARLE  
Gepr. Released: 23.02.2021  
Checked: MBERTSCH

DIN / ISO 13715

Maßstab / Scale: 2:1  
A3  
CUSTOMER DRAWING

|       |                        |              |        |
|-------|------------------------|--------------|--------|
| 01    | 202000083              | 05.02.2021   | MCARLE |
| Index | Änderung / Description | Datum / Date | Name   |

Amphenol Tuchel Industrial GmbH

Male cable connector  
for cable diameter 4-6mm

M HA T 3XXX 004+024+048

Ers. f. / Replacement for:

|                                         |                                                                  |             |              |
|-----------------------------------------|------------------------------------------------------------------|-------------|--------------|
|                                         | 19<br>(19-a)                                                     | Ag          | T 3690 004 U |
|                                         |                                                                  | Au          | T 3690 048 U |
|                                         | 14<br>(14-b)                                                     | Ag          | T 3670 004 U |
|                                         |                                                                  | Au          | T 3670 048 U |
|                                         | 14<br>(14-a)                                                     | Ag          | T 3650 024 U |
|                                         |                                                                  | Au          | T 3650 004 U |
|                                         | 12<br>(12-a)                                                     | Ag          | T 3635 024 U |
|                                         |                                                                  | Au          | T 3635 004 U |
|                                         | 8<br>(08-a)                                                      | Ag          | T 3504 004 U |
|                                         |                                                                  | Au          | T 3504 048 U |
|                                         | 7<br>(07-b)                                                      | Ag          | T 3484 004 U |
|                                         |                                                                  | Au          | T 3484 048 U |
|                                         | 7<br>(07-a)                                                      | Ag          | T 3475 004 U |
|                                         |                                                                  | Au          | T 3475 048 U |
|                                         | 6<br>(6-a)                                                       | Ag          | T 3400 004 U |
|                                         |                                                                  | Au          | T 3400 048 U |
|                                         | 5<br>(05-b)                                                      | Ag          | T 3356 004 U |
|                                         |                                                                  | Au          | T 3356 048 U |
|                                         | 5<br>(05-a)                                                      | Ag          | T 3360 004 U |
|                                         |                                                                  | Au          | T 3360 048 U |
|                                         | 4<br>(04-a)                                                      | Ag          | T 3300 004 U |
|                                         |                                                                  | Au          | T 3300 048 U |
|                                         | 3<br>(03-a)                                                      | Ag          | T 3260 004 U |
|                                         |                                                                  | Au          | T 3260 048 U |
|                                         | 2<br>(Pin 1+3)                                                   | Ag          | T 3200 004 U |
|                                         |                                                                  | Au          | T 3200 048 U |
| Contact arrangement View on mating side | Number of contacts (Contact arrangement acc. DIN EN 61076-2-106) | Part number |              |