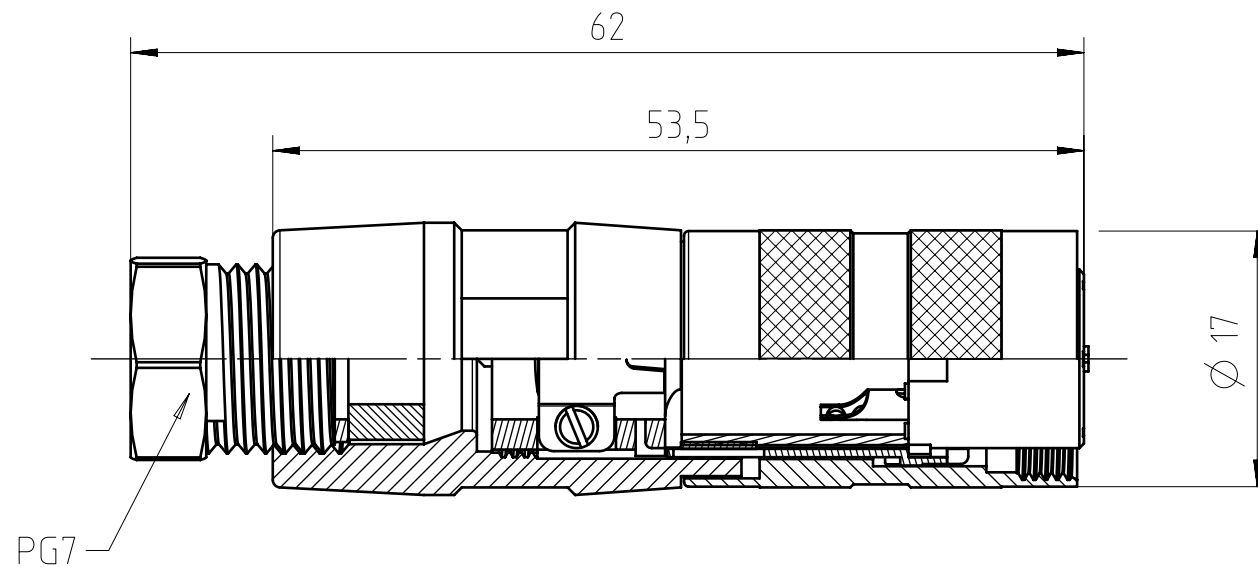


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|                                               |                          |                                                            |      |                 |                   |                    |      |                   |      |                               |      |                |      |
|-----------------------------------------------|--------------------------|------------------------------------------------------------|------|-----------------|-------------------|--------------------|------|-------------------|------|-------------------------------|------|----------------|------|
| 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").

|                                            |                                                                     |                 |              |
|--------------------------------------------|---------------------------------------------------------------------|-----------------|--------------|
|                                            | 19<br>(19-a)                                                        | Ag              | T 3691 004 U |
|                                            | 14<br>(14-b)                                                        | Ag              | T 3671 004 U |
|                                            | 14<br>(14-a)                                                        | Ag              | T 3651 044 U |
|                                            | 12<br>(12-a)                                                        | Ag              | T 3636 044 U |
|                                            | 8<br>(08-a)                                                         | Ag              | T 3505 004 U |
|                                            | 7<br>(07-b)                                                         | Ag              | T 3485 004 U |
|                                            | 7<br>(07-a)                                                         | Ag              | T 3476 004 U |
|                                            | 6<br>(6-a)                                                          | Ag              | T 3401 004 U |
|                                            | 5<br>(05-b)                                                         | Ag              | T 3361 004 U |
|                                            | 5<br>(05-a)                                                         | Ag              | T 3361 048 U |
|                                            | 4<br>(04-a)                                                         | Ag              | T 3301 004 U |
|                                            | 3<br>(03-a)                                                         | Ag              | T 3261 004 U |
|                                            | 2<br>(Pin 1+3)                                                      | Ag              | T 3201 004 U |
|                                            | 2<br>(Pin 1+3)                                                      | Au              | T 3201 048 U |
| Contact arrangement<br>View on mating side | Number of contacts<br>(Contact arrangement acc. DIN EN 61076-2-106) | contact plating | Part number  |

Gewicht (errechnet) / Calc WT: 34,46 g

Prüfmaß / Testdimension

Teileindex / Partindexnumber:

Bagatelle change: 23.02.2021 MCARLE

Zul. Abw./Tolerances:

ISO 2768-c

Gez. Drawn: 30.11.2020 MCARLE

Status: Released

Gepr. Checked: 10.02.2021 MBERTSCH

Amphenol Tuchel Industrial GmbH

Maßstab / Scale: 2:1

A3

CUSTOMER DRAWING

Female cable connector  
PG7, cable diameter 4-6mm

M DA T 3XXX 004+048 U

Ers. f. / Replacement for: M-DA T 3XXX 004+048 U Rev01

Index

Änderung / Description

Datum / Date

Name

Blatt / Sheet

1

1 Bl.

FAI2020-004390  
NXM-V05

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