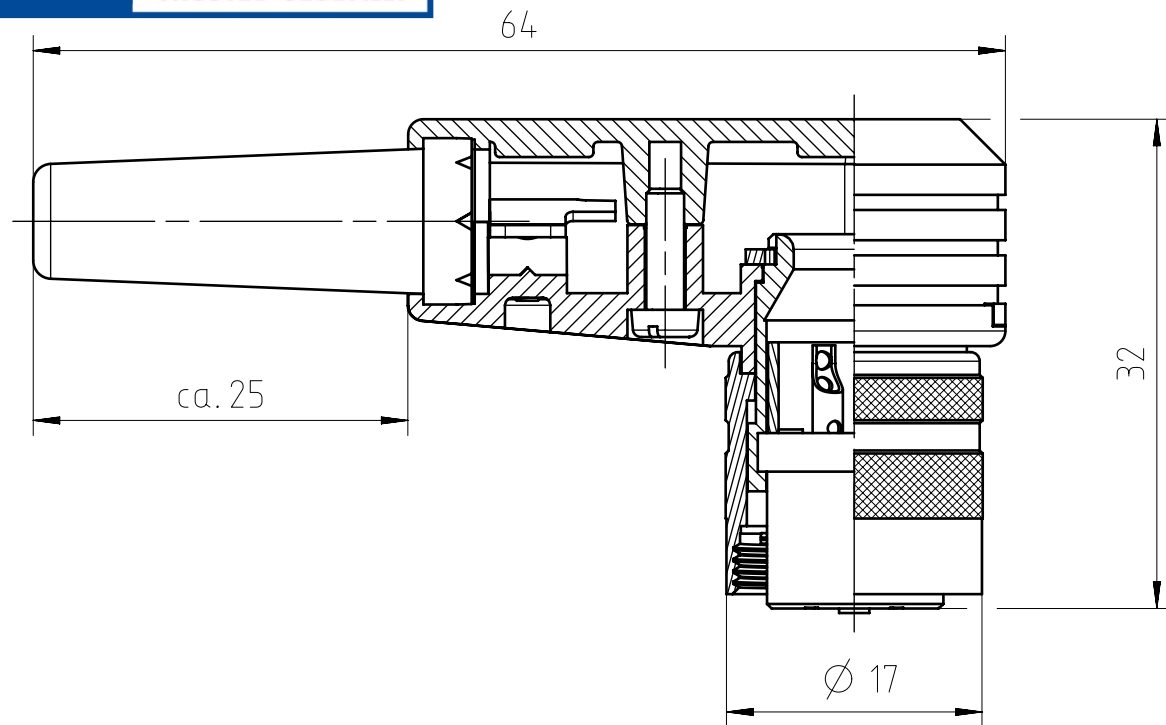


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|                                               |                          |                                                            |      |                 |                   |                    |      |                   |      |                               |      |                |      |
|-----------------------------------------------|--------------------------|------------------------------------------------------------|------|-----------------|-------------------|--------------------|------|-------------------|------|-------------------------------|------|----------------|------|
| 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 005 U |
|                                            | 14<br>(14-b)                                                        | Au              | T 3691 058 U |
|                                            | 14<br>(14-a)                                                        | Ag              | T 3671 005 U |
|                                            | 14<br>(14-a)                                                        | Au              | T 3671 058 U |
|                                            | 12<br>(12-a)                                                        | Ag              | T 3651 005 U |
|                                            | 12<br>(12-a)                                                        | Au              | T 3651 058 U |
|                                            | 8<br>(08-a)                                                         | Ag              | T 3636 005 U |
|                                            | 8<br>(08-a)                                                         | Au              | T 3636 058 U |
|                                            | 7<br>(07-b)                                                         | Ag              | T 3505 005 U |
|                                            | 7<br>(07-b)                                                         | Au              | T 3505 058 U |
|                                            | 7<br>(07-a)                                                         | Ag              | T 3485 005 U |
|                                            | 7<br>(07-a)                                                         | Au              | T 3485 058 U |
|                                            | 7<br>(07-a)                                                         | Ag              | T 3476 005 U |
|                                            | 7<br>(07-a)                                                         | Au              | T 3476 058 U |
|                                            | 6<br>(6-a)                                                          | Ag              | T 3401 005 U |
|                                            | 6<br>(6-a)                                                          | Au              | T 3401 058 U |
|                                            | 5<br>(05-b)                                                         | Ag              | T 3357 005 U |
|                                            | 5<br>(05-b)                                                         | Au              | T 3357 058 U |
|                                            | 5<br>(05-a)                                                         | Ag              | T 3361 005 U |
|                                            | 5<br>(05-a)                                                         | Au              | T 3361 058 U |
|                                            | 4<br>(04-a)                                                         | Ag              | T 3301 005 U |
|                                            | 4<br>(04-a)                                                         | Au              | T 3301 058 U |
|                                            | 3<br>(03-a)                                                         | Ag              | T 3261 005 U |
|                                            | 3<br>(03-a)                                                         | Au              | T 3261 058 U |
|                                            | 2<br>(Pin 1+3)                                                      | Ag              | T 3201 005 U |
|                                            | 2<br>(Pin 1+3)                                                      | Au              | T 3201 058 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: 47,98 g |                        | Zul. Abw./Tolerances:           |        | Maßstab / Scale: 2:1;1:1   |  | A3              |  |
|                                        |                        | ISO 2768-c                      |        | CUSTOMER DRAWING           |  |                 |  |
| Teileindex / Partindexnumber:          |                        |                                 |        | Female cable connector r/a |  |                 |  |
| Bagatelle change:                      |                        | Gez. 06.11.2020                 |        | cable diameter 4-6mm       |  |                 |  |
|                                        |                        | Drawn MCARLE                    |        |                            |  |                 |  |
|                                        |                        | Status Released                 |        |                            |  |                 |  |
|                                        |                        | Gepr. 10.02.2021                |        |                            |  |                 |  |
|                                        |                        | Checked MBERTSCH                |        |                            |  |                 |  |
|                                        |                        | Amphenol Tuchel Industrial GmbH |        |                            |  |                 |  |
| 01                                     | 202000083              | 06.11.2020                      | MCARLE | M FA T 3XXX 005+058 U      |  | Blatt / Sheet 1 |  |
| Index                                  | Änderung / Description | Datum / Date                    | Name   | Ers. f. / Replacement for: |  | 1 Bl.           |  |

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