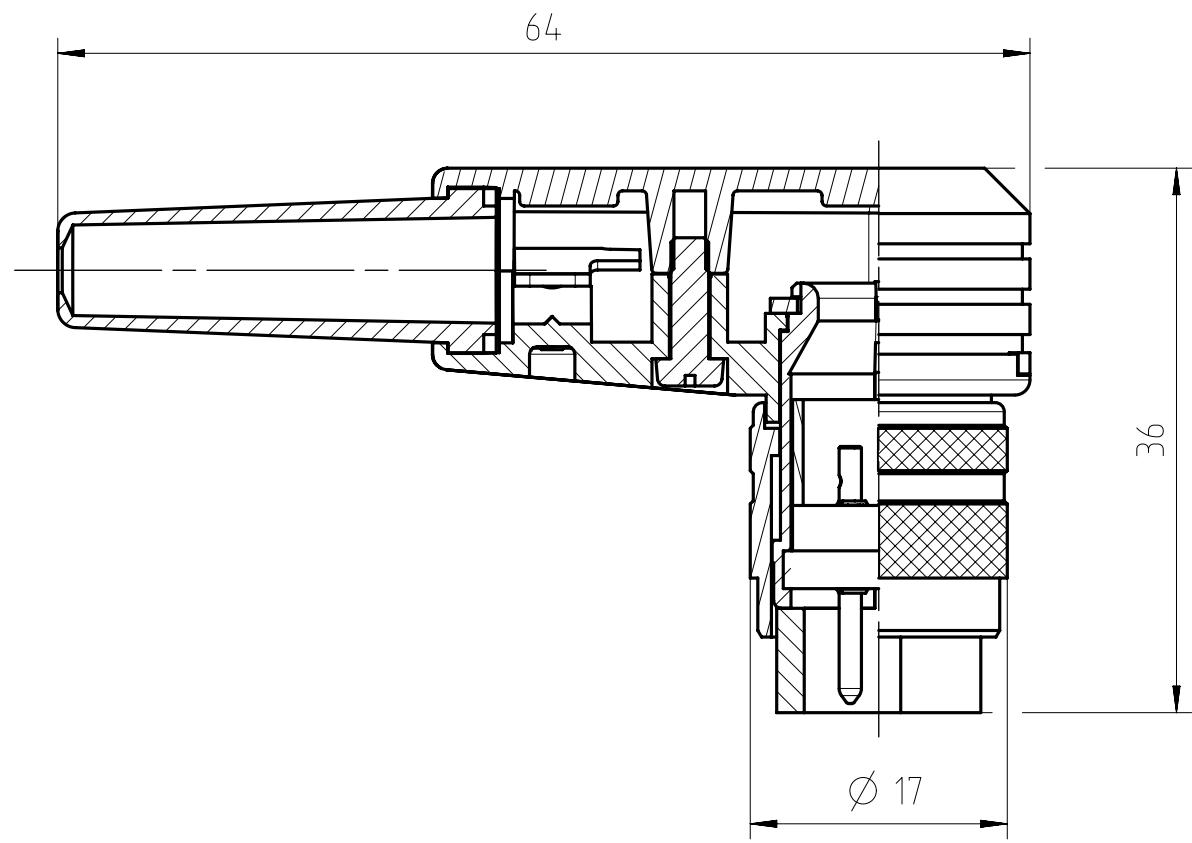


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|                                               |                          |                                                            |      |                 |                   |                    |      |                   |      |                   |      |                |      |
|-----------------------------------------------|--------------------------|------------------------------------------------------------|------|-----------------|-------------------|--------------------|------|-------------------|------|-------------------|------|----------------|------|
| 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                                    |                          | ≤0,5mm² / 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: 0,041 kg |                      |            |       | Zul. Abw./Tolerances:                  |            |  |
| Prüfmaß / Testdimension                 |                      |            |       | ISO 2768-c                             |            |                                                                                       |
| Teileindex / Partindexnumber:           |                      |            |       |                                        |            |                                                                                       |
| Bagatelle change:                       |                      |            |       |                                        |            |                                                                                       |
|                                         |                      |            |       | Gez.                                   | 10.12.2020 |                                                                                       |
|                                         |                      |            |       | Drawn                                  | MCARLE     |                                                                                       |
|                                         |                      |            |       | Status                                 | Released   |                                                                                       |
|                                         |                      |            |       | Gepr.                                  | 10.02.2021 |                                                                                       |
|                                         |                      |            |       | Checked                                | MBERTSCH   |                                                                                       |
|                                         |                      |            |       | <b>Amphenol Tuchel Industrial GmbH</b> |            |                                                                                       |
| 01                                      | 202000083            | 10.12.2020 | MCARL |                                        |            |                                                                                       |
| Index                                   | Änderung/Description | Datum/Date | Name  |                                        |            |                                                                                       |

|                                         |                                                                  |             |              |
|-----------------------------------------|------------------------------------------------------------------|-------------|--------------|
|                                         | 19<br>(19-a)                                                     | Ag          | T 3690 005 U |
|                                         | 14<br>(14-b)                                                     | Au          | T 3690 058 U |
|                                         | 14<br>(14-a)                                                     | Ag          | T 3670 005 U |
|                                         | 14<br>(14-a)                                                     | Au          | T 3670 058 U |
|                                         | 12<br>(12-a)                                                     | Ag          | T 3650 005 U |
|                                         | 12<br>(12-a)                                                     | Au          | T 3650 058 U |
|                                         | 8<br>(08-a)                                                      | Ag          | T 3635 005 U |
|                                         | 8<br>(08-a)                                                      | Au          | T 3635 058 U |
|                                         | 7<br>(07-b)                                                      | Ag          | T 3504 005 U |
|                                         | 7<br>(07-b)                                                      | Au          | T 3504 058 U |
|                                         | 7<br>(07-a)                                                      | Ag          | T 3484 005 U |
|                                         | 7<br>(07-a)                                                      | Au          | T 3484 058 U |
|                                         | 7<br>(07-a)                                                      | Ag          | T 3475 005 U |
|                                         | 7<br>(07-a)                                                      | Au          | T 3475 058 U |
|                                         | 6<br>(6-a)                                                       | Ag          | T 3400 005 U |
|                                         | 6<br>(6-a)                                                       | Au          | T 3400 058 U |
|                                         | 5<br>(05-b)                                                      | Ag          | T 3356 005 U |
|                                         | 5<br>(05-b)                                                      | Au          | T 3356 058 U |
|                                         | 5<br>(05-a)                                                      | Ag          | T 3360 005 U |
|                                         | 5<br>(05-a)                                                      | Au          | T 3360 058 U |
|                                         | 4<br>(04-a)                                                      | Ag          | T 3300 005 U |
|                                         | 4<br>(04-a)                                                      | Au          | T 3300 058 U |
|                                         | 3<br>(03-a)                                                      | Ag          | T 3260 005 U |
|                                         | 3<br>(03-a)                                                      | Au          | T 3260 058 U |
|                                         | 2<br>(Pin 1+3)                                                   | Ag          | T 3200 005 U |
|                                         | 2<br>(Pin 1+3)                                                   | Au          | T 3200 058 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 r/a<br>cable diameter 4-6mm |    |   |      |                 |
| M                                                | KA | T | 3XXX | 005+058 U       |
| Ers. f. / Replacement for:                       |    |   |      | Blatt / Sheet 1 |
|                                                  |    |   |      | 1 Bl.           |

FAI2020-004495  
NXM-V04