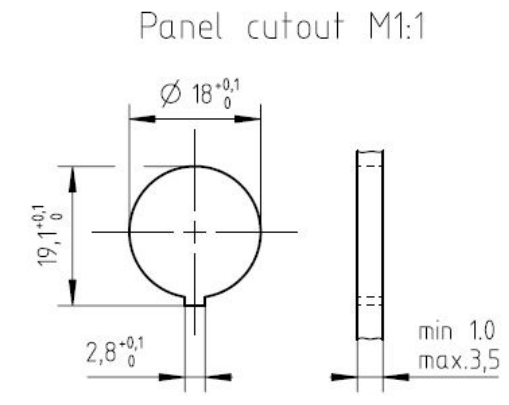
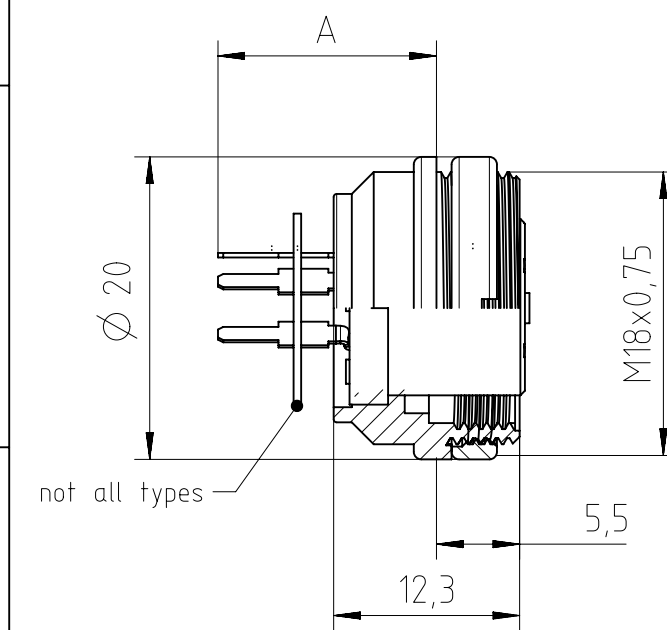


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|                                               |                                   |                                                      |      |                 |                   |                   |      |                   |      |                 |      |  |
|-----------------------------------------------|-----------------------------------|------------------------------------------------------|------|-----------------|-------------------|-------------------|------|-------------------|------|-----------------|------|--|
| Number of contacts                            | Standard                          | 2+3 <sup>1)</sup>                                    | 4    | 5               | 5                 | 6                 | 7    | 7                 | 8    | 12              | 14   |  |
| Contact arrangement                           | DIN EN 61076-2-106                | 03-a                                                 | 04-a | 05-a            | 05-b              | 06-a              | 07-a | 07-b              | 08-a | 12-a            | 14-a |  |
| Contact arrangement                           | IEC 60130-9 <sup>2)</sup>         | yes                                                  |      | no              | yes               |                   | no   | yes               |      | no              |      |  |
| Rated voltage <sup>3)</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) |      |  |
| Rated voltage                                 | UL 1977                           | 250 V                                                |      |                 |                   |                   |      |                   |      |                 | 60 V |  |
| Rated impulse withstand voltage <sup>3)</sup> | IEC 60664-1                       | 1500 V<br>(1500 V)                                   |      |                 | 1200 V<br>(800 V) | 1500 V<br>(1500V) |      | 1200 V<br>(800 V) |      |                 |      |  |
| Pollution degree <sup>3)</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> Ω <sup>4)</sup>                    |      |                 |                   |                   |      |                   |      |                 |      |  |
| Contact resistance                            | IEC 60512-2-1                     | <5m Ω                                                |      |                 |                   |                   |      |                   |      |                 |      |  |
| 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             |                   | 50N               | 55N  |                   | 60N  | 50N             |      |  |
| Mechanical operation                          | IEC 60512-9-1                     | ≥1000 mating cycles                                  |      |                 |                   |                   |      |                   |      |                 |      |  |
| Housing material                              |                                   | brass and / or zinc die cast, nickel plated          |      |                 |                   |                   |      |                   |      |                 |      |  |
| Dielectric material                           |                                   | thermoplastic                                        |      |                 |                   |                   |      |                   |      |                 |      |  |
| Contacts                                      |                                   | gold plated                                          |      |                 |                   |                   |      |                   |      |                 |      |  |
| Termination technique                         |                                   | solder                                               |      |                 |                   |                   |      |                   |      |                 |      |  |
| Flamability                                   |                                   | UL 94 V0                                             |      |                 |                   |                   |      |                   |      |                 |      |  |
| locking system                                | IEC 60130-9<br>DIN EN 61076-2-106 | metal screw coupling; tightening torque 0,7 - 1,5 Nm |      |                 |                   |                   |      |                   |      |                 |      |  |

<sup>1)</sup> 2 contact version: contact loading 1+3  
<sup>2)</sup> Edition 2000-05  
<sup>3)</sup> values in brackets are according to DIN EN 61076-2-106  
<sup>4)</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").

|  |                |              |              |              |
|--|----------------|--------------|--------------|--------------|
|  | 14<br>(14-a)   | T 3653 404 U | T 3653 424 U | T 3653 434 U |
|  | 12<br>(12-a)   | T 3638 404 U | T 3638 424 U | T 3638 434 U |
|  | 8<br>(08-a)    | T 3507 404 U | T 3507 424 U | T 3507 434 U |
|  | 7<br>(07-b)    | T 3487 404 U | T 3487 424 U | T 3487 434 U |
|  | 7<br>(07-a)    | T 3478 404 U | T 3478 424 U | T 3478 434 U |
|  | 6<br>(6-a)     | T 3403 404 U | T 3403 424 U | T 3403 434 U |
|  | 5<br>(05-b)    | T 3359 404 U | T 3359 424 U | T 3359 434 U |
|  | 5<br>(05-a)    | T 3363 404 U | T 3363 424 U | T 3363 434 U |
|  | 4<br>(04-a)    | T 3303 404 U | T 3303 424 U | T 3303 434 U |
|  | 3<br>(03-a)    | T 3263 404 U | T 3263 424 U | T 3263 434 U |
|  | 2<br>(Pin 1+3) | T 3203 404 U | T 3203 424 U | T 3203 434 U |

|                                                   |                                                                     |                                        |                    |                                                |
|---------------------------------------------------|---------------------------------------------------------------------|----------------------------------------|--------------------|------------------------------------------------|
| <b>Contact arrangement</b><br>View on mating side | Number of contacts<br>(Contact arrangement acc. DIN EN 61076-2-106) | A=10,5mm<br>[.413]                     | A=14,5mm<br>[.413] | A=19,5mm<br>[.413]                             |
| Gewicht (errechnet) / Calc WT: 12,983 g           |                                                                     | Zul. Abw./Tolerances:                  |                    | Maßstab / Scale: 2:1: 1:1                      |
| Prüfmaß / Testdimension                           |                                                                     | ISO 2768-c                             |                    | A3                                             |
| Teileindex / Partindexnumber:                     |                                                                     | DIN / ISO 13715                        |                    | <b>CUSTOMER DRAWING</b>                        |
| Bagatelle change:                                 |                                                                     |                                        |                    |                                                |
|                                                   |                                                                     | Gez. 13.01.2016                        |                    |                                                |
|                                                   |                                                                     | Drawn MCARLE                           |                    |                                                |
|                                                   |                                                                     | Status Released                        |                    | Female receptacle<br>rear mounting, dip solder |
|                                                   |                                                                     | Gepr. 16.06.2021                       |                    |                                                |
|                                                   |                                                                     | Checked MBERTSCH                       |                    |                                                |
|                                                   |                                                                     | <b>Amphenol Tuchel Industrial GmbH</b> |                    | M GA T 3XXX 4X4 U                              |
|                                                   |                                                                     |                                        |                    |                                                |
| 01                                                | 20210006                                                            | 15.06.2021                             | MCARL              | Blatt / Sheet 1                                |
| Index                                             | Änderung / Description                                              | Datum / Date                           | Name               | 1 Bl.                                          |
| Ers. f. / Replacement for:                        |                                                                     |                                        |                    | FAI2021-002708                                 |

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