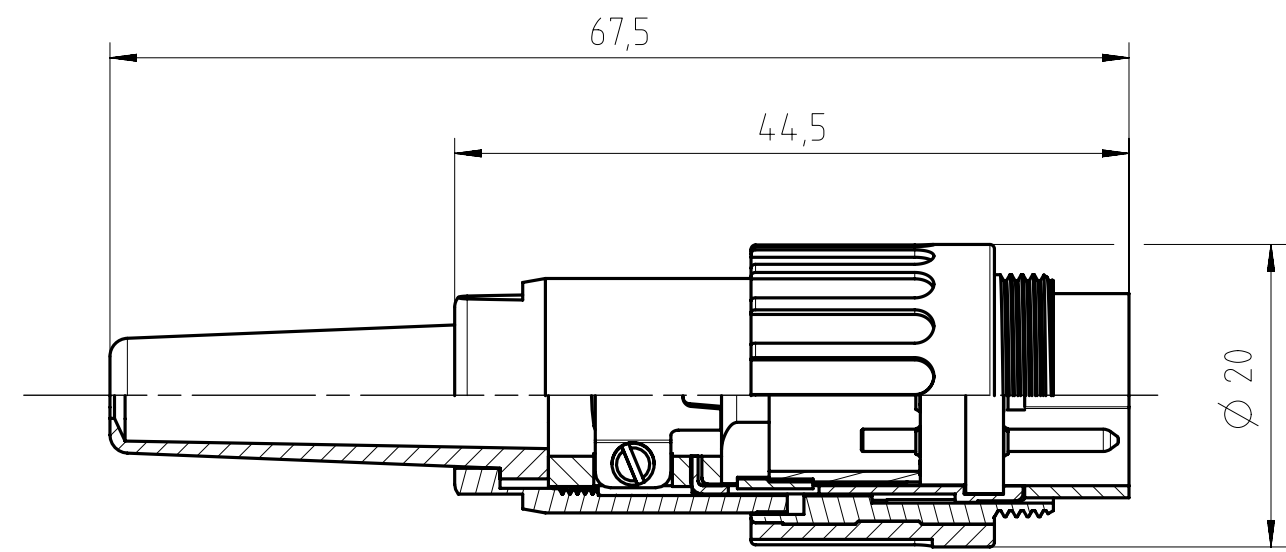


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|                                               |                          |                                                            |      |                 |                   |                    |      |                   |      |                   |      |                |      |
|-----------------------------------------------|--------------------------|------------------------------------------------------------|------|-----------------|-------------------|--------------------|------|-------------------|------|-------------------|------|----------------|------|
| 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 ("Beschaffungsgarantie" or "Haltbarkeitgarantie").

|                                            |                                                                        |             |              |
|--------------------------------------------|------------------------------------------------------------------------|-------------|--------------|
|                                            | 19<br>(19-a)                                                           | Ag          | T 3690 013 U |
|                                            |                                                                        | Au          | T 3690 038 U |
|                                            | 14<br>(14-b)                                                           | Ag          | T 3670 013 U |
|                                            |                                                                        | Au          | T 3670 038 U |
|                                            | 14<br>(14-a)                                                           | Ag          | T 3650 013 U |
|                                            |                                                                        | Au          | T 3650 038 U |
|                                            | 12<br>(12-a)                                                           | Ag          | T 3635 013 U |
|                                            |                                                                        | Au          | T 3635 038 U |
|                                            | 8<br>(08-a)                                                            | Ag          | T 3504 013 U |
|                                            |                                                                        | Au          | T 3504 038 U |
|                                            | 7<br>(07-b)                                                            | Ag          | T 3484 013 U |
|                                            |                                                                        | Au          | T 3484 038 U |
|                                            | 7<br>(07-a)                                                            | Ag          | T 3475 013 U |
|                                            |                                                                        | Au          | T 3475 038 U |
|                                            | 6<br>(6-a)                                                             | Ag          | T 3400 013 U |
|                                            |                                                                        | Au          | T 3400 038 U |
|                                            | 5<br>(05-b)                                                            | Ag          | T 3360 130 U |
|                                            |                                                                        | Au          | T 3356 038 U |
|                                            | 5<br>(05-a)                                                            | Ag          | T 3360 013 U |
|                                            |                                                                        | Au          | T 3360 038 U |
|                                            | 4<br>(04-a)                                                            | Ag          | T 3300 013 U |
|                                            |                                                                        | Au          | T 3300 038 U |
|                                            | 3<br>(03-a)                                                            | Ag          | T 3260 013 U |
|                                            |                                                                        | Au          | T 3260 038 U |
|                                            | 2<br>(Pin 1+3)                                                         | Ag          | T 3200 013 U |
|                                            |                                                                        | Au          | T 3200 038 U |
| Contact arrangement<br>View on mating side | Number of contacts<br>(Contact arrangement acc.<br>DIN EN 61076-2-106) | Part number |              |

Gewicht (errechnet) / Calc WT: 0,026 kg

Prüfmaß / Testdimension

Teileindex / Partindexnumber:

Bagatelle change:

Gez. 10.12.2020

Drawn MCARLE

Status Released

Gepr. 10.02.2021

Checked MBERTSCH

01

202000083

10.12.2020

MCARLE

Index

Änderung / Description

Datum / Date

Name

Zul. Abw. / Tolerances: ISO 2768-m

DIN / ISO 13715

Maßstab / Scale: 2:1

A3

CUSTOMER DRAWING

Male cable connector for cable diamter 4-6mm

M HA T 3XXX 013+130+038 U

Blatt / Sheet 1

1 Bl.

Ers. f. / Replacement for:

FAI2020-004494

NXM-V04

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