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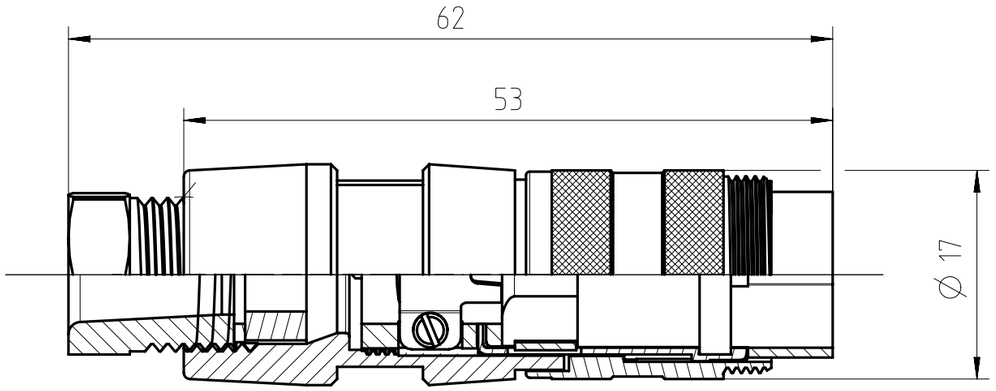
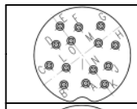
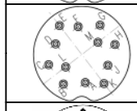
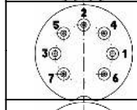
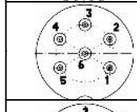
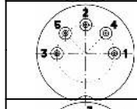
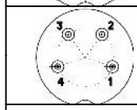
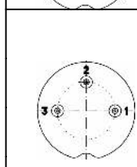
INDUSTRIAL@AMPHENOL
TRUSTED GLOBALLY




| Number of contacts | Standard | 3 | 4 | 5 | 5 | 6 | 7 | 7 | 8 | 12 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| Contact arrangement | IEC 60130-9[1] | yes | | no | yes | | no | yes | | no | |
| Rated voltage[2] | IEC 60664-1 | 300 V (100 V) | | 300 V (63 V) | 100 V (32 V) | 300 V (63 V) | | 100 V (32 V) | | 150 V (32 V) | |
| Rated voltage | UL 1977 | 250V | | | | | | | | 60V | |
| Rated impulse withstand voltage[2] | IEC 60664-1 | 1500 V (1500 V) | | | 1200 V (800 V) | 1500 V (1500 V) | | 1200 V (800 V) | | | |
| Pollution degree[2] | 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 UL 1977 | 10A/+40°C | | 7A/+40°C | | | | | | 3A/+40°C | |
| Insulation resistance | IEC 60512-3-1 | >10¹⁰ Ohm[3] | | | | | | | | | |
| 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 |
| 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, please order contacts separately acc. to drawing M-N 01 015 00XX X (3-8pol) or M-N 01 010 0158 X (12-14pol) | | | | | | | | | |
| termination technique | | crimp | | | | | | | | | |
| wire gauge | | 0,09-1,0mm² | | | 0,09-0,75 mm² | 0,09-1,0 mm² | | 0,09-0,75mm² | | 0,09-0,25mm² | |
| flamability | | UL 94 V0 | | | | | | | | | |
| locking system | | metal screw coupling; tightening torque 0,7 - 1,5 Nm | | | | | | | | | |

[1] Edition 2000-05
[2] values in brackets are according to DIN EN 61076-2-106
[3] under operating conditions >10⁸ Ohm

Do not connect or disconnect under load. Metal housing parts shall be securely incoporated to protected ground.
All technical data have been measured in a laboratory environment and can be different during pratical usage of the product. Any product information is for descriptive usage only and not legally binding; particulary the information does not constitute or provide any legal guaranties ("Beschaffenheitsgarantie" or " Haltbarkeitsgarantie").

| Contact arrangement View on mating side | Number of contacts (Contact arrangement acc. DIN EN 61076-2-106) | Part number |
|---|---|---|
|  | 14 (14-a) | T 3650 554 U |
|  | 12 (12-a) | T 3635 554 U |
| | 8 (08-a) | T 3504 554 U |
|  | 7 (07-b) | T 3484 554 U |
| | 7 (07-a) | T 3475 554 U |
|  | 6 (6-a) | T 3400 554 U |
|  | 5 (05-b) | T 3356 554 U |
| | 5 (05-a) | T 3360 554 U |
|  | 4 (04-a) | T 3300 554 U |
|  | 3 (03-a) | T 3260 554 U |
| | 2 (Pin 1+3) | T 3200 554 U |

Gewicht (errechnet) / *Calc WT*: 0,026 kg
Prüfmaß / *Testdimension*
Teileindex / *Partindexnumber:*
*Bagatelle change:*

Zul. Abw./ *Tolerances*: ISO 2768-c
*DIN / ISO 13715*

Maßstab / *Scale*: 2:1 | A3

# CUSTOMER DRAWING

## Male cable connector
*for cable diameter 4-6mm*

| | | | |
|---|---|---|---|
| 01 | 202100006 | 15.06.2021 | MCARL |
| Index | Änderung/ *Description* | Datum/ *Date* | Name |

Gez. / Drawn: 15.06.2021 MCARLE
Status: Released
Gepr. / Checked: 16.06.2021 MBERTSCH

**Amphenol Tuchel Industrial GmbH**

M HA T 3XXX 554 U

Blatt/ *Sheet* 1 | 1 Bl.

Ers. f. / *Replacement for*:

NXM-V03 | FA12021-002724

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