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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 ¹⁾ | yes | | no | | yes | | no | | 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) 60 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 | >10 ¹⁰ 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 | 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 ² / 20 AWG | | | | | | ≤0,35mm ² / 22 AWG | | | | | |
| flamability | | UL 94 V0 | | | | | | | | | | | |
| locking system | | metal screw coupling; tightening torque 0,7 - 1,5 Nm | | | | | | | | | | | |

Gewicht (errechnet) / Calc WT: 29,581 g
 Prüfmaß / Testdimension
 Teileindex / Partindexnumber:
 Bagatelle change: 22.02.2021 MCARLE

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

Maßstab / Scale: 2:1
 A3

CUSTOMER DRAWING

Male cable connector
 for cable diameter 4-6mm

Gez. 05.02.2021
 Drawn MCARLE
 Status Released
 Gepr. 10.02.2021
 Checked MBERTSCH

Amphenol Tuchel Industrial GmbH

M HA T 3XXX 001+010+018 U
 Blatt / Sheet 1
 1 Bl.

01 202000083 05.02.2021 MCARLE
 Index Änderung / Description Datum / Date Name

Ers. f. / Replacement for:

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