



03

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|---|-----------------------------------|--|-------------------|-------------------|-------------------|-----------------|-----------------|----------|------|-----------------------------|------|--|
| Number of contacts | Standard | 3 | 4 | 5 | 5S | 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 ¹⁾ | yes | no | 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 | 250 V | | | | | | 60 V | | | | |
| Rated impulse withstand voltage ²⁾ | IEC 60664-1 | 1500 V (840 V) | 1200 V (500 V) | 1500 V (840 V) | 1200 V (500 V) | | | | | | | |
| Pollution degree ²⁾ | IEC 60664-1 | 1 (3 ³⁾) | | | | | | | | | | |
| 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 ⁴⁾ | | | | | | | | | | |
| Contact resistance | IEC 60512-2-1 | <5m Ohm | | | | | | | | | | |
| Climatic category | IEC 60668-1 | 40 / 100 / 56 | | | | | | | | | | |
| Temperatur range | IEC 60668-1 | -40°C...+100°C / -40°F...+212°F | | | | | | | | | | |
| salt spray resistance | DIN IEC 60068-2-11 | 720h | | | | | | | | | | |
| IP degree | IEC 60529 | IP 69K / IP 67 / IP 65 (in mated condition) | | | | | | | | | | |
| Insertion and withdrawal force | IEC 60512-13-2 | 25N | 30N | 35N | 50N | 55N | 60N | 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 | | | | | | | | | | |
| Dielectric material | | thermoplastic | | | | | | | | | | |
| Contacts | | silver plated / gold plated | | | | | | | | | | |
| Termination technique | | solder | | | | | | | | | | |
| wire gauge | | ≤ 0,5mm ² / 20 AWG | | | | | | | | ≤0,35mm ² /24AWG | | |
| Flamability | | UL 94 V0 | | | | | | | | | | |
| locking system | IEC 60130-9 DIN EN 61076-2-106 | 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⁾ designed acc. pollution degree 2; can be used under pollution degree 3 when the rules of IEC 60664-1 are fulfilled
⁴⁾ under operating conditions >10⁸ 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 ("Beschaffensgarantie" or "Haltbarkeitsgarantie").

| | | | | | |
|---|--|----|---------------------|---------------------|---------------------|
| | 14 (14-a) | Ag | C091 61G014 110 2 U | C091 61G014 120 2 U | C091 61G014 130 2 U |
| | | Au | C091 61G014 210 2 U | C091 61G014 220 2 U | C091 61G014 230 2 U |
| | 12 (12-a) | Ag | C091 61G012 110 2 U | C091 61G012 120 2 U | C091 61G012 130 2 U |
| | | Au | C091 61G012 210 2 U | C091 61G012 220 2 U | C091 61G012 230 2 U |
| | 8 (08-a) | Ag | C091 61G008 110 2 U | C091 61G008 120 2 U | C091 61G008 130 2 U |
| | | Au | C091 61G008 210 2 U | C091 61G008 220 2 U | C091 61G008 230 2 U |
| | 7 (07-b) | Ag | C091 61G107 110 2 U | C091 61G107 120 2 U | C091 61G107 130 2 U |
| | | Au | C091 61G107 210 2 U | C091 61G107 220 2 U | C091 61G107 230 2 U |
| | 7 (07-a) | Ag | C091 61G007 110 2 U | C091 61G007 120 2 U | C091 61G007 130 2 U |
| | | Au | C091 61G007 210 2 U | C091 61G007 220 2 U | C091 61G007 230 2 U |
| | 6 (06-a) | Ag | C091 61G006 110 2 U | C091 61G006 120 2 U | C091 61G006 130 2 U |
| | | Au | C091 61G006 210 2 U | C091 61G006 220 2 U | C091 61G006 230 2 U |
| | 5 (05-b) | Ag | C091 61G105 110 2 U | C091 61G105 120 2 U | C091 61G105 130 2 U |
| | | Au | C091 61G105 210 2 U | C091 61G105 220 2 U | C091 61G105 230 2 U |
| | 5 (05-a) | Ag | C091 61G005 110 2 U | C091 61G005 120 2 U | C091 61G005 130 2 U |
| | | Au | C091 61G005 210 2 U | C091 61G005 220 2 U | C091 61G005 230 2 U |
| | 4 (04-a) | Ag | C091 61G004 110 2 U | C091 61G004 120 2 U | C091 61G004 130 2 U |
| | | Au | C091 61G004 210 2 U | C091 61G004 220 2 U | C091 61G004 230 2 U |
| | 3 (03-a) | Ag | C091 61G003 110 2 U | C091 61G003 120 2 U | C091 61G003 130 2 U |
| | | Au | C091 61G003 210 2 U | C091 61G003 220 2 U | C091 61G003 230 2 U |
| Contact arrangement View on mating side | Number of contacts (Contact arrangement acc. DIN EN 61076-2-106) | | a = 10,5 mm | a = 14,5 mm | a = 19,5 mm |

Gewicht (errechnet) / Calc WT: 13,72 g
 Zul. Abw./Tolerances: ISO 2768-mH
 Prüfmäß / Testdimension
 Teileindex / Partindexnumber:
 Bagatelle change:
 Maßstab / Scale: 2:1
 A3
CUSTOMER DRAWING
 Geratedose Rückwandmontage
 female receptacle rear mount.
 Blatt/Sheet 1
 1 Bl.
Amphenol Tuchel Industrial GmbH
 Ers. f. l. Replacement for: M-C091 61GXXX X10 2 U Rev.01

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