



Dichtfläche eben und grätfrei.
Sealing area must be flat and polished.

| | | | | | | | | | | | |
|--|-------------------------------------|---------|---------|------|--|---------|--|---------|---------|----|--------------------------|
| Polzahl number of contacts | Norm standard | 3 | 4 | 5 | 5S | 6 | 7 | 7S | 8 | 12 | 14 |
| Kontaktanordnung nach DIN contact arrangement acc. to DIN | | 41 524 | | - | 41 524 | 45 322 | - | 45 329 | 45 326 | - | - |
| Kontaktanordnung nach IEC contact arrangement acc. to IEC | | 60130-9 | 60130-9 | - | 60130-9 | 60130-9 | - | 60130-9 | 60130-9 | - | - |
| Bemessungsspannung rated voltage | IEC 60664-1 | | 300V = | | 100V = | | 300V = | | 100V = | | 150V = |
| Bemessungsspannung rated voltage | UL 1977 | | | | 250V | | | | | | 60V |
| Bemessungs-Stoßspannung rated impulse withstand voltage | IEC 60664-1 | | 1500V | | 1200V | | 1500V | | 1200V | | |
| Verschmutzungsgrad pollution degree | IEC 60664-1 | | | | | | 1 | | | | |
| Überspannungskategorie installation category | IEC 60664-1 | | | | | | 1 | | | | |
| Isolierstoffgruppe insulation group | IEC 60664-1 | | | | | | II, $400 \leq CTI < 600$ | | | | |
| Strombelastbarkeit current rating | IEC 60512-5-2 Test 5b UL 1977 | | | | | | 5A / +40°C / +104°F | | | | 3A / +40°C / +104°F |
| Isolationswiderstand insulation resistance | IEC 60512-3-1 Test 3a | | | | | | $> 10^{10} \Omega$ | | | | |
| Durchgangswiderstand contact resistance | IEC 60512-2-1 Test 2a | | | | | | $< 5m \Omega$ | | | | |
| Prüfkategorie climatic category | IEC 60668-1 | | | | | | 40/100/56 | | | | |
| Temperaturbereich temperatur range | | | | | | | - 40°C ... +100°C - 40°F ... +212°F | | | | |
| IP-Schutztart IP-degree | IEC 60529 | | | | | | IP 67 / IP 65 | | | | |
| Steck- und Ziehkraft insertion and withdrawal force | IEC 60512-13-2 Test 13b | 25 N | 30 N | 35 N | 50 N | 55 N | 60 N | | | | 50 N |
| Mechanische Lebensdauer mechanical operation | IEC 60512 Test 9a | | | | silber/silver > 500 Steckzyklen/mating cycles gold/gold ≥ 1000 Steckzyklen/mating cycles | | | | | | |
| Werkstoff Gehäuse housing material | | | | | die cast, nickel plated | | | | | | |
| Werkstoff Kontaktträger dielectric material | | | | | Thermoplast thermoplastic | | | | | | |
| Werkstoff Dichtung sealing material | | | | | Neoprene neoprene | | | | | | |
| Kontaktoberfläche contact plating | | | | | versilbert/vergoldet * silver plated/gold plated | | | | | | |
| Anschlussstechnik termination technique | | | | | löten solder | | | | | | |
| Anschlussquerschnitt wire gauge | | | | | $\text{löten } \leq 0,5 \text{ mm}^2$ $\text{solder } \leq 0,5 \text{ mm}^2$ | | | | | | $\geq 0,25 \text{ mm}^2$ |
| Brennbarkeit flamability | | | | | UL 94 VO | | | | | | |
| Verriegelung locking system | IEC 60130-9 | | | | schrauben; Anzugsmoment 0,5-0,7 Nm metal screw coupling; tightening torque 0,5-0,7 Nm | | | | | | |

|  | 14 | C091 31N014 100 2 U | C091 31N014 200 2 U |
|---|----------------------------------|---------------------------------|---------------------------------|
|  | 12 | C091 31N012 100 2 U | C091 31N012 200 2 U |
|  | 8 IEC | C091 31N008 100 2 U | C091 31N008 200 2 U |
|  | 7 IEC | C091 31N107 100 2 U | C091 31N107 200 2 U |
|  | 7 | C091 31N007 100 2 U | C091 31N007 200 2 U |
|  | 6 | C091 31N006 100 2 U | C091 31N006 200 2 U |
|  | 5 | C091 31N005 100 2 U | C091 31N005 200 2 U |
|  | 5 IEC | C091 31N105 100 2 U | C091 31N105 200 2 U |
|  | 4 | C091 31N004 100 2 U | C091 31N004 200 2 U |
|  | 3 | C091 31N003 100 2 U | C091 31N003 200 2 U |
| SYMBOL symbol | POLZAHL number of contacts | TYP-NUMMER-Ag type-number-Ag | TYP-NUMMER-Au type-number-Au |

Do not connect or disconnect under load. Metal housing parts shall be securely incorporated to protected ground.

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 guarantees ("Beschaffenheitsgarantie" or "Haltbarkeitsgarantie").

Remarks for cold-started contractors

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.

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| | | | | | | | | | | | |
|---------------------------------|--|------------|------|-------------------------------------|---|-------------------|---------------------|---|-------------------|--|--|
| Wicht [errechnet]/Calc WT: 9 | | | | Zul. Abw./Tolerances: |  DIN 6784 | Maßstab/Scale 2:1 | A3 |  | | | |
| Prüfmaß/Testdimension | | | | CUSTOMER DRAWING | | | | | | | |
| Teileindex Part index number | | | | 13 | Datum/Date | Name | | | | | |
| | | | | Gez. Drawn | 27.11. | Jerry | | | Gerätedose | | |
| | | | | Gepr. Checked | | | | | female receptacle | | |
| | | | | Amphenol-Tuchel Electronics GmbH | | | M | C091 31NXXX X00 2 U | Blatt/Sheet | | |
| | | | | | | | | | 1 | | |
| | | | | | | | | | 1 Bl. | | |
| Ex Änderung/Description | | Datum/Date | Name | | | | Ers. f./Similar to: | | | | |

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