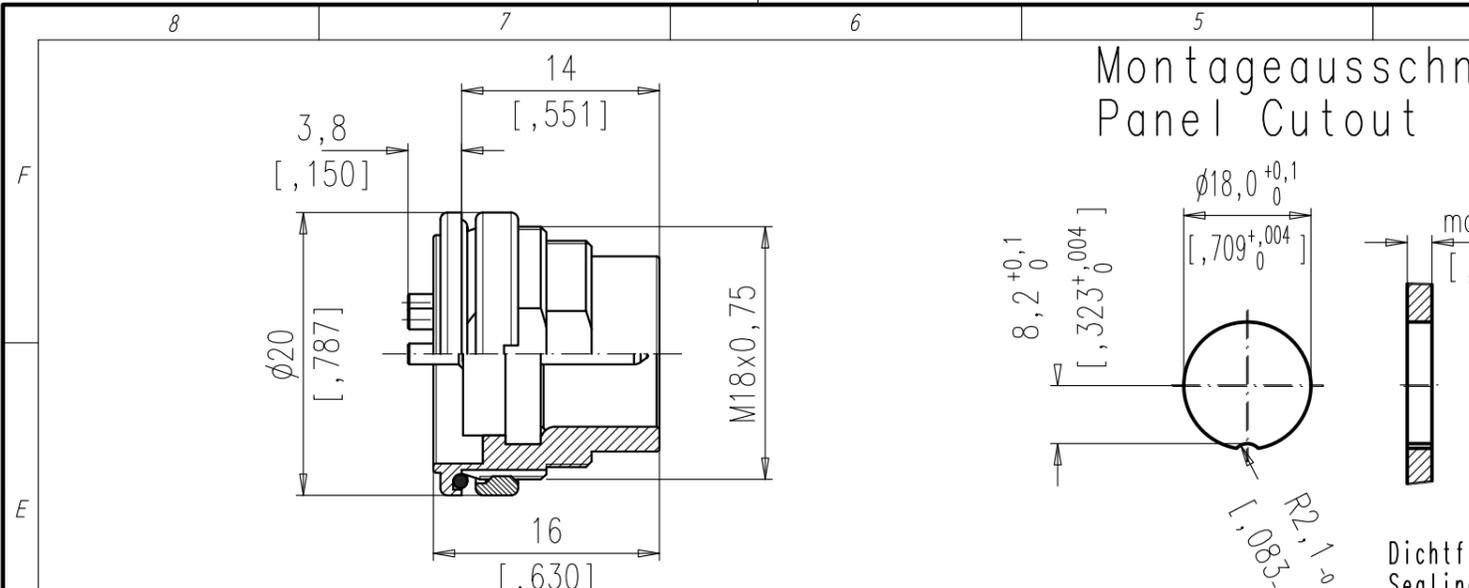


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Montageausschnitt M 1:1
Panel Cutout

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

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*)

Alle technischen Daten wurden unter Laborbedingungen ermittelt und können im Praxisbetrieb abweichen. Es handelt sich bei den Angaben weder um Beschaffenheits- noch um Haltbarkeitsgarantien

| | | | | | | | | | | | | |
|--|-------------------------------------|---|---------|--------|---------|---------|--------|---------|------------------------|----|-----|--|
| 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 | I | | | | | | | | | | |
| Isolierstoffgruppe insulation group | IEC 60664-1 | II, 400 ≤ 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 Ω | | | | | | | | | | |
| Durchgangswiderstand contact resistance | IEC 60512-2-1 Test 2a | < 5m Ω | | | | | | | | | | |
| Prüfklasse climatic category | IEC 60668-1 | 40/100/56 | | | | | | | | | | |
| Temperaturbereich temperatur range | | - 40°C ... +100°C - 40°F ... +212°F | | | | | | | | | | |
| IP-Schutzart 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 | | Zink-Druckguß? Oberfläche vernickelt 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 | | | | | | | | | | |
| Anschlusstechnik termination technique | | löten solder | | | | | | | | | | |
| Anschlussquerschnitt wire gauge | | löten ≤ 0,5 mm ² solder ≤ 0,5 mm ² | | | | | | | ≥ 0,25 mm ² | | | |
| Brennbarkeit flammability | | UL 94 V0 | | | | | | | | | | |
| 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 31C014 100 2 U | C091 31C014 200 2 U |
| | 12 | C091 31C012 100 2 U | C091 31C012 200 2 U |
| | 8 IEC | C091 31C008 100 2 U | C091 31C008 200 2 U |
| | 7 IEC | C091 31C107 100 2 U | C091 31C107 200 2 U |
| | 7 | C091 31C007 100 2 U | C091 31C007 200 2 U |
| | 6 | C091 31C006 100 2 U | C091 31C006 200 2 U |
| | 5 | C091 31C005 100 2 U | C091 31C005 200 2 U |
| | 5 IEC | C091 31C105 100 2 U | C091 31C105 200 2 U |
| | 4 | C091 31C004 100 2 U | C091 31C004 200 2 U |
| | 3 | C091 31C003 100 2 U | C091 31C003 200 2 U |
| SYMBOL symbol | POLZAHL number of contacts | TYP-NUMMER-Ag type-number-Ag | TYP-NUMMER-Au type-number-Au |

Diese Steckverbinder dürfen betriebsmäßig nicht unter Spannung betätigt werden. Metallene Gehäuseteile sind sicher mit dem Schutzleitersystem zu verbinden.
Do not connect or disconnect under load. Metal housing parts shall be securely incorporated to protected ground.

* Hinweis für vergoldete Anschlüsse:
Zur Vermeidung von spröden intermetallischen Verbindungen müssen vergoldete Anschlüsse vor dem eigentlichen Lötvorgang verzinkt werden.
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.
Teile entsprechen der Richtlinie 2002/95/EG (RoHS)/ parts according to directive 2002/95/EG (RoHS)

| | | | | | | |
|-------------------------------------|----------------------|-----------------------|------------|---------------------|----------------------------------|------------------|
| Gewicht (errechnet)/ Calc WT: | 9 | Zul. Abw./Tolerances: | | Maßstab/Scale 2:1 | A3 | |
| Prüfmaß/Test dimension | | | | CUSTOMER DRAWING | | |
| Teileindex Part index number | | 11 | Datum/Date | Name | Gerätestecker male receptacle | |
| | | Gez. | 06.09. | Peter.D | | |
| | | Drawn | | | | |
| | | Gepr. | | | | |
| | | Checked | | | | |
| Amphenol-Tuchel Electronics GmbH | | | | M | C091 31CXXX X00 2 U | Blatt/Sheet 1 |
| 01 | 200900702 | 06.09.11 | PD | Ers. f./Similar to: | | 1 Bl. |
| Index | Änderung/Description | Datum/Date | Name | | | |

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