



Serie 680

## Miniatur Rundsteckverbinder Serie 680 Miniature circular connectors series 680

## Kurzinformation Brief information

### Kabelsteckverbinder

- Steckverbinder mit Schraubverriegelung nach IEC 130-9
- Schutzart IP 40 <sup>1)</sup>
- Mit vormontierter Lötöse zum Anschluss der Masseverbindung
- Innenliegende Zugentlastung
- Steckverbindermontage mit Linsensenkschraube
- Winkelsteckverbinder siehe Serie 682

### Cable Connector

- Connector with screw locking according to IEC 130-9
- Degree of protection IP 40 <sup>1)</sup>
- With preassembled solder ring for good ground connection
- Internal strain relief
- Connector assembling with countersunk head screw
- Angled version see series 682

Aufbau des Steckverbinders:  
Construction of the connector:



### Flanschsteckverbinder

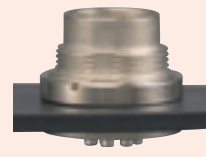
- 1 Standard: mit Lötanschluss, wird von vorn eingesetzt und von hinten verschraubt.
- 2 Mit Lötanschluss, von vorn verschraubbar, besonders geeignet für vorkonfektionierte Kabelbäume, die nach dem Löt eingebaut werden.
- 3 Mit Tauchlötanschluss, für den Anschluss auf die Leiterplatte (Abbildung vor dem Einbau in das Gehäuse).
- 4 Mit Tauchlötanschluss nach der Gehäusemontage.

### Chassis sockets

- 1 Standard, with solder termination, mounted from front side and fastened from back side.
- 2 With solder termination, mounted from back side and fastened from front side, especially suited for preassembled cable trees which are mounted after soldering.
- 3 Dip solder termination for connection to PCB (figure: before built in into housing).
- 4 Dip solder termination after installation into housing.

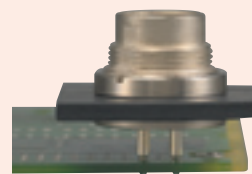
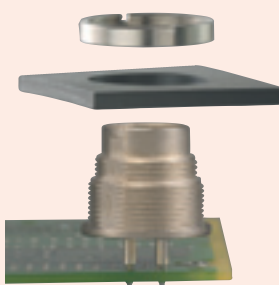
1

2



3

4



<sup>1)</sup> Erläuterung der Schutzarten siehe Seite TI-3 – TI-4. / <sup>1)</sup> Explanation of protection standards see page TI-3 – TI-4.

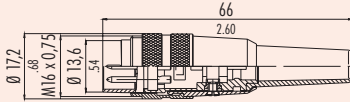
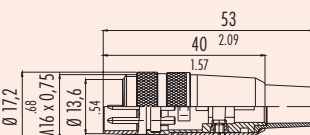
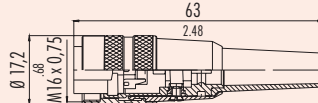
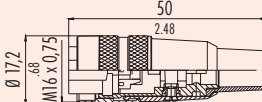
| Miniatur Rundsteckverbinder Serie 680<br>Miniature circular connectors series 680 |                         |                                                           |       |     |       |        |       |       |       | Technische Daten <sup>1)</sup><br>Specifications <sup>1)</sup> |                |    |     |      |    |
|-----------------------------------------------------------------------------------|-------------------------|-----------------------------------------------------------|-------|-----|-------|--------|-------|-------|-------|----------------------------------------------------------------|----------------|----|-----|------|----|
| Allgemeine Kennwerte                                                              |                         | General Characteristics                                   |       |     |       |        |       |       |       |                                                                |                |    |     |      |    |
| Polzahl                                                                           | Number of contacts      | 2                                                         | 3 DIN | 4   | 5     | 5 DIN  | 6 DIN | 7     | 7 DIN | 8 DIN                                                          | 12             | 14 | 16  | 19   | 24 |
| Verriegelung                                                                      | Locking system          | schrauben / screw                                         |       |     |       |        |       |       |       |                                                                |                |    |     |      |    |
| Anschlussart                                                                      | Termination             | löten, tauchlöten / solder, dip solder                    |       |     |       |        |       |       |       |                                                                |                |    |     |      |    |
| Anschlussquerschnitt in mm²                                                       | Wire gauge in mm²       | max. 0,75                                                 |       |     |       |        |       |       |       |                                                                | max. 0,25      |    |     | 0,14 |    |
| Anschlussquerschnitt in AWG                                                       | Wire gauge in AWG       | max. 20                                                   |       |     |       |        |       |       |       |                                                                | max. 24        |    |     | 26   |    |
| Kabeldurchlass                                                                    | Cable outlet            | 3 - 6 mm (.12 - .24) / 6 - 8 mm (.24 - .32)               |       |     |       |        |       |       |       |                                                                |                |    |     |      |    |
| Schutzart Gehäuse                                                                 | Shell protection        | IP 40                                                     |       |     |       |        |       |       |       |                                                                |                |    |     |      |    |
| Mechanische Lebensdauer                                                           | Mechanical operation    | > 500 Steckzyklen / > 500 mating cycles                   |       |     |       |        |       |       |       |                                                                |                |    |     |      |    |
| Obere Grenztemperatur                                                             | Upper temperature       | + 85 °C (+ 185 °F)                                        |       |     |       |        |       |       |       |                                                                |                |    |     |      |    |
| Untere Grenztemperatur                                                            | Lower temperature       | − 40 °C (− 40 °F)                                         |       |     |       |        |       |       |       |                                                                |                |    |     |      |    |
| Gewicht Kabelsteckverbinder                                                       | Weight cable connector  | ~ 21 g                                                    |       |     |       |        |       |       |       |                                                                |                |    |     |      |    |
| Gewicht Flanschsteckverbinder                                                     | Weight socket           | ~ 12 g                                                    |       |     |       |        |       |       |       |                                                                |                |    |     |      |    |
| Elektrische Kennwerte                                                             |                         | Electrical Characteristics                                |       |     |       |        |       |       |       |                                                                |                |    |     |      |    |
| Bemessungsspannung                                                                | Rated voltage           | 250 V                                                     |       |     | 60 V  | 250 V  | 125 V | 60 V  |       |                                                                |                |    |     |      |    |
| Bemessungs-Stoßspannung                                                           | Rated impulse voltage   | 1500 V                                                    |       |     | 500 V | 1500 V | 800 V | 500 V |       |                                                                |                |    |     |      |    |
| Verschmutzungsgrad                                                                | Pollution degree        | I                                                         |       |     |       |        |       |       |       |                                                                |                |    |     |      |    |
| Überspannungskategorie                                                            | Overvoltage categorie   | I                                                         |       |     |       |        |       |       |       |                                                                |                |    |     |      |    |
| Isolierstoffgruppe                                                                | Material group          | III                                                       |       |     |       |        |       |       |       |                                                                |                |    |     |      |    |
| Prüfstoßspannung                                                                  | Test voltage            | 1750 V                                                    |       |     | 550 V | 1750 V | 910 V | 550 V |       |                                                                |                |    |     |      |    |
| Bemessungsstrom (40 °C)                                                           | Rated current (40 °C)   | 7 A                                                       |       | 6 A |       |        | 5 A   |       |       | 3 A                                                            |                |    | 1 A |      |    |
| Durchgangswiderstand                                                              | Contact resistance      | ≤ 5 mΩ                                                    |       |     |       |        |       |       |       |                                                                | ≤ 3 mΩ         |    |     |      |    |
| Isolationswiderstand                                                              | Insulation resistance   | ≥ 10 <sup>10</sup> Ω                                      |       |     |       |        |       |       |       |                                                                |                |    |     |      |    |
| Werkstoffe                                                                        |                         | Materials                                                 |       |     |       |        |       |       |       |                                                                |                |    |     |      |    |
| Kontaktstift                                                                      | Pin contact             | CuZn (Messing/brass)                                      |       |     |       |        |       |       |       |                                                                |                |    |     |      |    |
| Kontaktbuchse                                                                     | Socket contact          | CuSn (Bronze/bronze)                                      |       |     |       |        |       |       |       |                                                                |                |    |     |      |    |
| Kontaktoberfläche                                                                 | Contact plating         | Ag (Silber/silver) / Au (Gold/gold)                       |       |     |       |        |       |       |       |                                                                | Au (Gold/gold) |    |     |      |    |
| Steckerkörper                                                                     | Male insert             | PBT (UL 94 V-0)                                           |       |     |       |        |       |       |       |                                                                |                |    |     |      |    |
| Buchsenkörper                                                                     | Female Insert           | PBT (UL 94 V-0)                                           |       |     |       |        |       |       |       |                                                                |                |    |     |      |    |
| Gehäuse Kabelstecker                                                              | Housing cable connector | PA 66 (UL 94 HB)                                          |       |     |       |        |       |       |       |                                                                |                |    |     |      |    |
| Verriegelungsring                                                                 | Ring nut                | Messing, vernickelt/brass, nickel plated                  |       |     |       |        |       |       |       |                                                                |                |    |     |      |    |
| Flanschgehäuse                                                                    | Socket                  | Zink-Druckguss, vernickelt/zinc diecasting, nickel plated |       |     |       |        |       |       |       |                                                                |                |    |     |      |    |

<sup>1)</sup> Normen und Prüfbedingungen für diese Angaben siehe Seite TI-16. / Standards and test parameters for this data see page TI-16.



## Miniatur Rundsteckverbinder Serie 680 Miniature circular connectors series 680

## Kabelsteckverbinder Cable connectors

| Bezeichnung — Abbildung<br>Description — Figure                                                                                                                                                      | Maßzeichnung<br>Drawing                                                             | Polzahl<br>Contacts | Bestell-Nr./Ordering-No.                       |                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------|------------------------------------------------|---------------------------------------------|
|                                                                                                                                                                                                      |                                                                                     |                     | versilberte Kontakte<br>silver plated contacts | vergoldete Kontakte<br>gold plated contacts |
| Kabelstecker<br>Kabeldurchlass 3 - 6 mm<br><i>Cable connector<br/>cable outlet 3 - 6 mm (.12 - .24 in.)</i>         |    | 2                   | 09-0301-00-02                                  | 09-0301-09-02                               |
|                                                                                                                                                                                                      |                                                                                     | 3 DIN               | 09-0305-00-03                                  | 09-0305-09-03                               |
|                                                                                                                                                                                                      |                                                                                     | 4                   | 09-0309-00-04                                  | 09-0309-09-04                               |
|                                                                                                                                                                                                      |                                                                                     | 5                   | 09-0313-00-05                                  | 09-0313-09-05                               |
|                                                                                                                                                                                                      |                                                                                     | 5 (Stereo)          | 09-0317-00-05                                  | 09-0317-09-05                               |
|                                                                                                                                                                                                      |                                                                                     | 6 DIN               | 09-0321-00-06                                  | 09-0321-09-06                               |
|                                                                                                                                                                                                      |                                                                                     | 7                   | 09-0325-00-07                                  | 09-0325-09-07                               |
|                                                                                                                                                                                                      |                                                                                     | 7 DIN               | 09-1581-00-07                                  | —                                           |
|                                                                                                                                                                                                      |                                                                                     | 8 DIN               | 09-0571-00-08                                  | 09-0571-09-08                               |
|                                                                                                                                                                                                      |                                                                                     | 12                  | —                                              | 09-0329-00-12                               |
|                                                                                                                                                                                                      |                                                                                     | 14                  | —                                              | 09-0341-00-14                               |
|                                                                                                                                                                                                      |                                                                                     | 16                  | —                                              | 09-0337-00-16                               |
|                                                                                                                                                                                                      |                                                                                     | 19                  | —                                              | 09-0343-00-19                               |
|                                                                                                                                                                                                      |                                                                                     | 24                  | —                                              | —                                           |
| Kabelstecker<br>Kabeldurchlass 6 - 8 mm<br><i>Male cable connector<br/>cable outlet 6 - 8 mm (.24 - .32 in.)</i>  |   | 2                   | 09-0301-02-02                                  | 09-0301-92-02                               |
|                                                                                                                                                                                                      |                                                                                     | 3 DIN               | 09-0305-02-03                                  | 09-0305-92-03                               |
|                                                                                                                                                                                                      |                                                                                     | 4                   | 09-0309-02-04                                  | 09-0309-92-04                               |
|                                                                                                                                                                                                      |                                                                                     | 5                   | 09-0313-02-05                                  | 09-0313-92-05                               |
|                                                                                                                                                                                                      |                                                                                     | 5 (Stereo)          | 09-0317-02-05                                  | 09-0317-92-05                               |
|                                                                                                                                                                                                      |                                                                                     | 6 DIN               | 09-0321-02-06                                  | 09-0321-92-06                               |
|                                                                                                                                                                                                      |                                                                                     | 7                   | 09-0325-02-07                                  | 09-0325-92-07                               |
|                                                                                                                                                                                                      |                                                                                     | 7 DIN               | —                                              | —                                           |
|                                                                                                                                                                                                      |                                                                                     | 8 DIN               | 09-0571-02-08                                  | 09-0571-92-08                               |
|                                                                                                                                                                                                      |                                                                                     | 12                  | —                                              | 09-0329-02-12                               |
|                                                                                                                                                                                                      |                                                                                     | 14                  | —                                              | 09-0341-02-14                               |
|                                                                                                                                                                                                      |                                                                                     | 16                  | —                                              | 09-0337-02-16                               |
|                                                                                                                                                                                                      |                                                                                     | 19                  | —                                              | 09-0343-02-19                               |
|                                                                                                                                                                                                      |                                                                                     | 24                  | —                                              | 09-0345-02-24                               |
| Kabeldose<br>Kabeldurchlass 3 - 6 mm<br><i>Female cable connector<br/>cable outlet 3 - 6 mm (.12 - .24 in.)</i>   |  | 2                   | 09-0302-00-02                                  | 09-0302-09-02                               |
|                                                                                                                                                                                                      |                                                                                     | 3 DIN               | 09-0306-00-03                                  | 09-0306-09-03                               |
|                                                                                                                                                                                                      |                                                                                     | 4                   | 09-0310-00-04                                  | 09-0310-09-04                               |
|                                                                                                                                                                                                      |                                                                                     | 5                   | 09-0314-00-05                                  | 09-0314-09-05                               |
|                                                                                                                                                                                                      |                                                                                     | 5 (Stereo)          | 09-0318-00-05                                  | 09-0318-09-05                               |
|                                                                                                                                                                                                      |                                                                                     | 6 DIN               | 09-0322-00-06                                  | 09-0322-09-06                               |
|                                                                                                                                                                                                      |                                                                                     | 7                   | 09-0326-00-07                                  | 09-0326-09-07                               |
|                                                                                                                                                                                                      |                                                                                     | 7 DIN               | 09-1582-00-07                                  | —                                           |
|                                                                                                                                                                                                      |                                                                                     | 8 DIN               | 09-0572-00-08                                  | 09-0572-09-08                               |
|                                                                                                                                                                                                      |                                                                                     | 12                  | —                                              | 09-0330-00-12                               |
|                                                                                                                                                                                                      |                                                                                     | 14                  | —                                              | 09-0342-00-14                               |
|                                                                                                                                                                                                      |                                                                                     | 16                  | —                                              | 09-0338-00-16                               |
|                                                                                                                                                                                                      |                                                                                     | 19                  | —                                              | 09-0344-00-19                               |
|                                                                                                                                                                                                      |                                                                                     | 24                  | —                                              | —                                           |
| Kabeldose<br>Kabeldurchlass 6 - 8 mm<br><i>Male cable connector<br/>cable outlet 6 - 8 mm (.24 - .32 in.)</i>     |  | 2                   | 09-0302-02-02                                  | 09-0302-92-02                               |
|                                                                                                                                                                                                      |                                                                                     | 3 DIN               | 09-0306-02-03                                  | 09-0306-92-03                               |
|                                                                                                                                                                                                      |                                                                                     | 4                   | 09-0310-02-04                                  | 09-0310-92-04                               |
|                                                                                                                                                                                                      |                                                                                     | 5                   | 09-0314-02-05                                  | 09-0314-92-05                               |
|                                                                                                                                                                                                      |                                                                                     | 5 (Stereo)          | 09-0318-02-05                                  | 09-0318-92-05                               |
|                                                                                                                                                                                                      |                                                                                     | 6 DIN               | 09-0322-02-06                                  | 09-0322-92-06                               |
|                                                                                                                                                                                                      |                                                                                     | 7                   | 09-0326-02-07                                  | 09-0326-92-07                               |
|                                                                                                                                                                                                      |                                                                                     | 7 DIN               | —                                              | —                                           |
|                                                                                                                                                                                                      |                                                                                     | 8 DIN               | 09-0572-02-08                                  | 09-0572-92-08                               |
|                                                                                                                                                                                                      |                                                                                     | 12                  | —                                              | 09-0330-02-12                               |
|                                                                                                                                                                                                      |                                                                                     | 14                  | —                                              | 09-0342-02-14                               |
|                                                                                                                                                                                                      |                                                                                     | 16                  | —                                              | 09-0338-02-16                               |
|                                                                                                                                                                                                      |                                                                                     | 19                  | —                                              | 09-0344-02-19                               |
|                                                                                                                                                                                                      |                                                                                     | 24                  | —                                              | 09-0346-02-24                               |

## Flanschstecker

### *Male sockets*

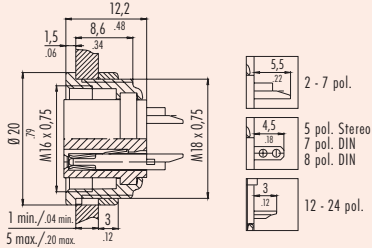
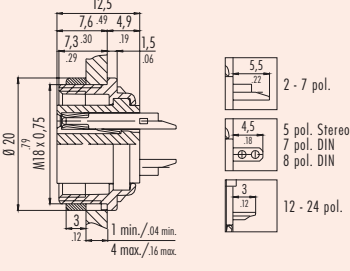
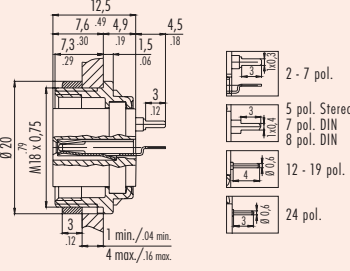
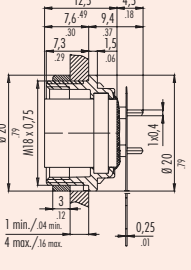
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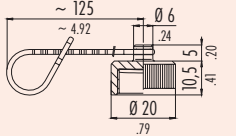
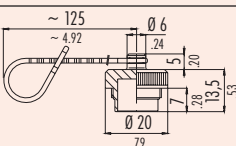
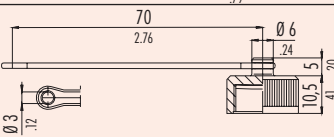
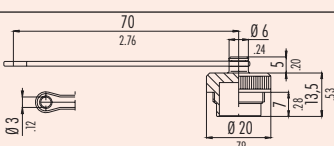
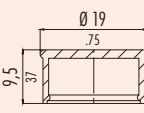
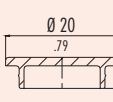
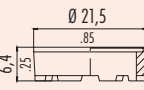
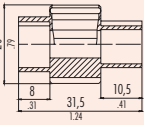
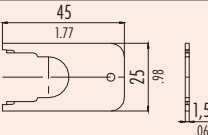
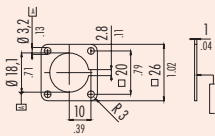
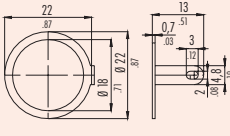
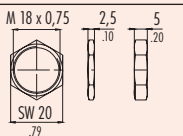
R

## Miniatur Rundsteckverbinder Serie 680 Miniature circular connectors series 680

## Flanschdosen Female sockets

| Bezeichnung — Abbildung<br>Description — Figure                                                          | Maßzeichnung<br>Drawing                                                             | Polzahl<br>Contacts | Bestell-Nr./Ordering-No.                       |                                             |
|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------|------------------------------------------------|---------------------------------------------|
|                                                                                                          |                                                                                     |                     | versilberte Kontakte<br>silver plated contacts | vergoldete Kontakte<br>gold plated contacts |
| Flanschdose, löten<br>Female socket, solder                                                              |    | 2                   | 09-0304-00-02                                  | 09-0304-09-02                               |
|                                                                                                          |                                                                                     | 3 DIN               | 09-0308-00-03                                  | 09-0308-09-03                               |
|                                                                                                          |                                                                                     | 4                   | 09-0312-00-04                                  | 09-0312-09-04                               |
|                                                                                                          |                                                                                     | 5                   | 09-0316-00-05                                  | 09-0316-09-05                               |
|                                                                                                          |                                                                                     | 5 (Stereo)          | 09-0320-00-05                                  | 09-0320-09-05                               |
|                                                                                                          |                                                                                     | 6 DIN               | 09-0324-00-06                                  | 09-0324-09-06                               |
|                                                                                                          |                                                                                     | 7                   | 09-0328-00-07                                  | 09-0328-09-07                               |
|                                                                                                          |                                                                                     | 7 DIN               | 09-1584-00-07                                  | —                                           |
|                                                                                                          |                                                                                     | 8 DIN               | 09-0474-00-08                                  | 09-0474-09-08                               |
|                                                                                                          |                                                                                     | 12                  | —                                              | 09-0332-00-12                               |
|                                                                                                          |                                                                                     | 14                  | —                                              | 09-0054-00-14                               |
|                                                                                                          |                                                                                     | 16                  | —                                              | 09-0340-00-16                               |
|                                                                                                          |                                                                                     | 19                  | —                                              | 09-0336-00-19                               |
|                                                                                                          |                                                                                     | 24                  | —                                              | 09-0198-00-24                               |
| Flanschdose, löten,<br>von vorn verschraubbar<br>Female socket, solder, front fastened                   |   | 2                   | 09-0304-80-02                                  | 09-0304-89-02                               |
|                                                                                                          |                                                                                     | 3 DIN               | 09-0308-80-03                                  | 09-0308-89-03                               |
|                                                                                                          |                                                                                     | 4                   | 09-0312-80-04                                  | 09-0312-89-04                               |
|                                                                                                          |                                                                                     | 5                   | 09-0316-80-05                                  | 09-0316-89-05                               |
|                                                                                                          |                                                                                     | 5 (Stereo)          | 09-0320-80-05                                  | 09-0320-89-05                               |
|                                                                                                          |                                                                                     | 6 DIN               | 09-0324-80-06                                  | 09-0324-89-06                               |
|                                                                                                          |                                                                                     | 7                   | 09-0328-80-07                                  | 09-0328-89-07                               |
|                                                                                                          |                                                                                     | 7 DIN               | —                                              | —                                           |
|                                                                                                          |                                                                                     | 8 DIN               | 09-0474-80-08                                  | 09-0474-89-08                               |
|                                                                                                          |                                                                                     | 12                  | —                                              | 09-0332-80-12                               |
|                                                                                                          |                                                                                     | 14                  | —                                              | 09-0054-80-14                               |
|                                                                                                          |                                                                                     | 16                  | —                                              | 09-0340-80-16                               |
|                                                                                                          |                                                                                     | 19                  | —                                              | 09-0336-80-19                               |
|                                                                                                          |                                                                                     | 24                  | —                                              | 09-0198-80-24                               |
| Flanschdose, tauchlöten,<br>von vorn verschraubbar<br>Female socket, dip solder, front fastened          |  | 2                   | 09-0304-90-02                                  | 09-0304-99-02                               |
|                                                                                                          |                                                                                     | 3 DIN               | 09-0308-90-03                                  | 09-0308-99-03                               |
|                                                                                                          |                                                                                     | 4                   | 09-0312-90-04                                  | 09-0312-99-04                               |
|                                                                                                          |                                                                                     | 5                   | 09-0316-90-05                                  | 09-0316-99-05                               |
|                                                                                                          |                                                                                     | 5 (Stereo)          | 09-0320-90-05                                  | 09-0320-99-05                               |
|                                                                                                          |                                                                                     | 6 DIN               | 09-0324-90-06                                  | 09-0324-99-06                               |
|                                                                                                          |                                                                                     | 7                   | 09-0328-90-07                                  | 09-0328-99-07                               |
|                                                                                                          |                                                                                     | 7 DIN               | —                                              | —                                           |
|                                                                                                          |                                                                                     | 8 DIN               | 09-0474-90-08                                  | 09-0474-99-08                               |
|                                                                                                          |                                                                                     | 12                  | —                                              | 09-0332-90-12                               |
|                                                                                                          |                                                                                     | 14                  | —                                              | 09-0054-90-14                               |
|                                                                                                          |                                                                                     | 16                  | —                                              | 09-0340-90-16                               |
|                                                                                                          |                                                                                     | 19                  | —                                              | 09-0336-90-19                               |
|                                                                                                          |                                                                                     | 24                  | —                                              | 09-0198-90-24                               |
| Flanschdose mit Flexplatte,<br>von vorn verschraubbar<br>Female socket with flexible PCB, front fastened |  | 7                   | 09-0328-65-07                                  |                                             |
|                                                                                                          |                                                                                     | 8                   | 09-0474-65-08                                  |                                             |
|                                                                                                          |                                                                                     | 12                  |                                                | 09-0332-65-12                               |
|                                                                                                          |                                                                                     | 12                  |                                                | 09-0332-66-12                               |

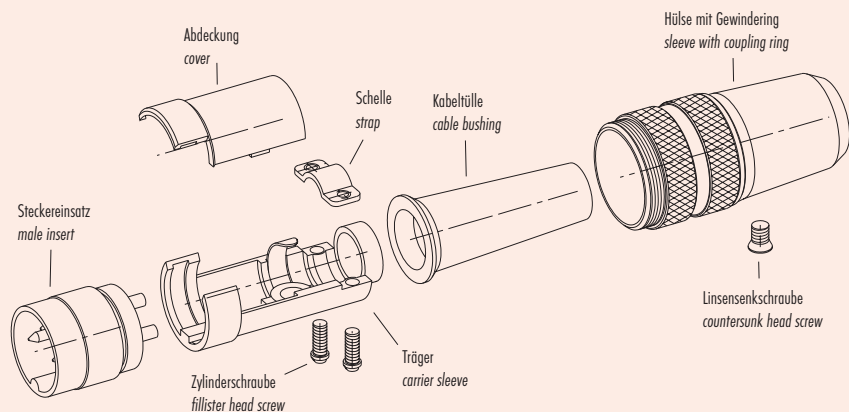
Weitere Maße siehe Seite 680-10  
Additional dimensions see page 680-10

| <b>Miniatur Rundsteckverbinder Serie 680</b><br><b>Miniature circular connectors series 680</b>                                                  |                                                                                     | <b>Zubehör</b><br><b>Accessories</b>                                                  |                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------|
| Bezeichnung<br>Description                                                                                                                       | Abbildung<br>Figure                                                                 | Maßzeichnung<br>Drawing                                                               | Bestell-Nr.<br>Ordering-No.                              |
| Schutzkappe für Kabelstecker,<br>wasserdicht, IP 67<br>Protection cap for male cable connector,<br>waterproof, IP 67                             |    |    | 08-1077-000-000                                          |
| Schutzkappe für Kabeldose,<br>wasserdicht, IP 67<br>Protection cap for female cable connector,<br>waterproof, IP 67                              |    |    | 08-1078-000-000                                          |
| Schutzkappe für Flanschstecker,<br>wasserdicht, IP 67<br>Protection cap for male socket,<br>waterproof, IP 67                                    |    |     | 08-1079-000-000                                          |
| Schutzkappe für Flanschdose,<br>wasserdicht, IP 67<br>Protection cap for female socket,<br>waterproof, IP 67                                     |    |     | 08-1080-000-000                                          |
| Schutzkappe für Kabel- und Flanschstecker,<br>staubdicht, IP 54<br>Protection cap for male cable connector and<br>male socket, dustproof, IP 54  |  |   | 02-0054-000                                              |
| Schutzkappe für Kabel- und Flanschdose,<br>staubdicht, IP 54<br>Protection cap for female cable connector and<br>female socket, dustproof, IP 54 |  |  | 02-0055-001<br>02-0055-000<br>(Schwarz/black)            |
| Distanzhülse für Flanschsteckverbinder,<br>Tauchlöt Ausführung, 2-19 contacts<br>Distance shell for socket,<br>dip solder version, 2-19 contacts |  |  | 02-0007-000                                              |
| Montageschlüssel für Kabelsteckverbinder<br>Mounting spanner for cable connector                                                                 |  |  | 02-1785-000                                              |
| Montageschlüssel für Flanschsteckverbinder<br>Mounting spanner for socket                                                                        |  |  | 07-0010-001                                              |
| Viereckflansch für Flanschsteckverbinder<br>Rectangular flange for socket                                                                        |  |   | 04-0106-001                                              |
| Lötösenring<br>Solder eye ring                                                                                                                   |  |   | 04-0186-009                                              |
| 6-kant Mutter<br>Hexagonal nut                                                                                                                   |  |  | 01-0146-001<br>(2,5 mm/.10)<br>01-5006-001<br>(5 mm/.20) |

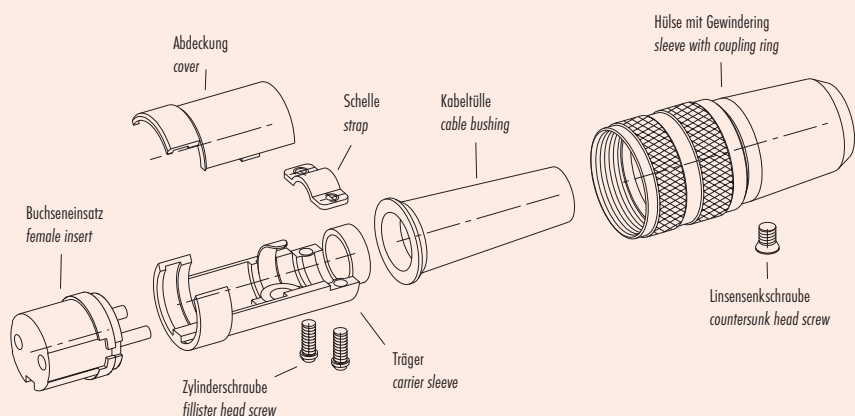
## Miniatur Rundsteckverbinder Serie 680 Miniature circular connectors series 680

## Einzelteildarstellung Component part drawings

Kabelstecker  
Male cable connector



Kabeldose  
Female cable connector





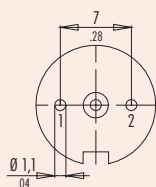
## Miniatur Rundsteckverbinder Serie 680 Miniature circular connectors series 680

## Polbilder Contact arrangements

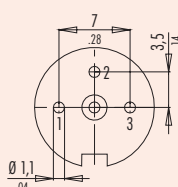
Polbilder mit Sicht auf die Lötanschlusseite der Stifteinsätze  
Contact arrangements with view on the solder termination side of male inserts

x-y Koordinaten  
x-y Coordinates

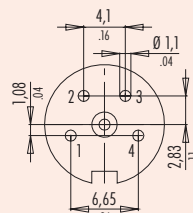
2 pol



3 pol (DIN 41524)



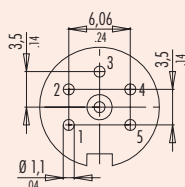
4 pol



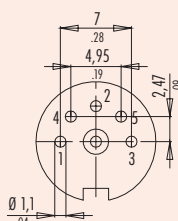
12 pol

|   | X     | Y     |
|---|-------|-------|
| A | -0,41 | -3,45 |
| B | 2,29  | -3,61 |
| C | 4,10  | -1,21 |
| D | 3,20  | 1,34  |
| E | 2,71  | 3,59  |
| F | 0,41  | 3,45  |
| G | -2,29 | 3,61  |
| H | -4,10 | 1,21  |
| J | -3,20 | -1,34 |
| K | -2,71 | -3,59 |
| L | 2,00  | -1,51 |
| M | -2,00 | 1,51  |

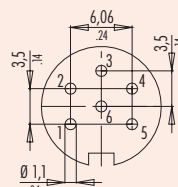
5 pol



5 pol stereo (DIN 41524)



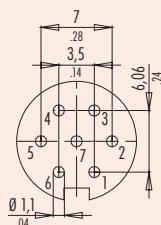
6 pol (DIN 45322)



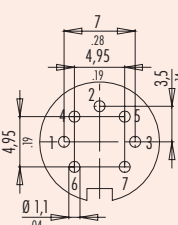
14 pol

|   | X     | Y     |   | X     | Y     |
|---|-------|-------|---|-------|-------|
| A | 2,50  | -4,00 | T | -2,40 | -0,95 |
| C | 4,25  | 0,00  | U | -0,95 | 2,40  |
| E | 2,30  | 4,00  |   |       |       |
| G | -2,30 | 4,00  |   |       |       |
| J | -4,25 | 0,00  |   |       |       |
| L | -2,50 | -4,00 |   |       |       |
| M | 0,95  | -2,40 |   |       |       |
| N | 2,40  | -0,95 |   |       |       |
| O | 2,40  | 0,95  |   |       |       |
| P | 0,95  | 2,40  |   |       |       |
| R | -0,95 | 2,40  |   |       |       |
| S | -2,40 | 0,95  |   |       |       |

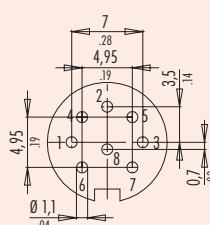
7 pol



7 pol (DIN 45329)



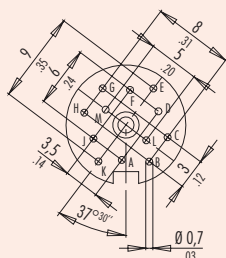
8 pol (DIN 45326)



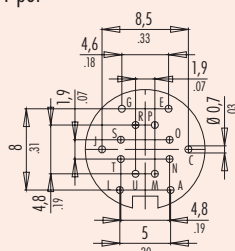
16 pol

|   | X     | Y     |   | X     | Y     |
|---|-------|-------|---|-------|-------|
| A | 2,50  | -4,00 | N | 2,45  | -0,80 |
| B | 4,00  | -2,25 | O | 1,50  | 2,10  |
| C | 4,25  | 0,00  | P | -1,50 | 2,10  |
| D | 4,00  | 2,40  | R | -2,45 | -0,80 |
| E | 2,30  | 4,00  |   |       |       |
| F | 0,00  | 4,25  |   |       |       |
| G | -2,30 | 4,00  |   |       |       |
| H | -4,00 | 2,40  |   |       |       |
| I | -4,25 | 0,00  |   |       |       |
| K | -4,00 | -2,25 |   |       |       |
| L | -2,50 | -4,00 |   |       |       |
| M | 0,00  | -2,60 |   |       |       |

12 pol



14 pol

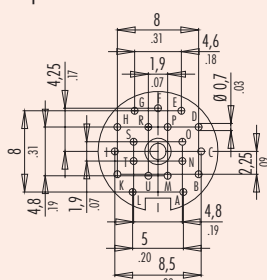


16 pol

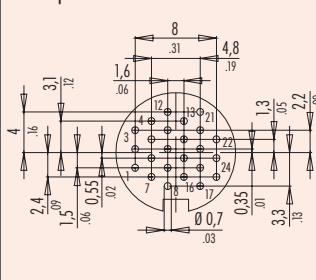
19 pol

|   | X     | Y     |   | X     | Y     |
|---|-------|-------|---|-------|-------|
| A | 2,50  | -4,00 | N | 2,40  | -0,95 |
| B | 4,00  | -2,25 | O | 2,40  | 0,95  |
| C | 4,25  | 0,00  | P | 0,95  | 2,40  |
| D | 4,00  | 2,40  | R | -0,95 | 2,40  |
| E | 2,30  | 4,00  | S | -2,40 | 0,95  |
| F | 0,00  | 4,25  | T | -2,40 | -0,95 |
| G | -2,30 | 4,00  | U | -0,95 | -2,40 |
| H | -4,00 | 2,40  |   |       |       |
| I | -4,25 | 0,00  |   |       |       |
| K | -4,00 | -2,25 |   |       |       |
| L | -2,50 | -4,00 |   |       |       |
| M | 0,95  | -2,40 |   |       |       |

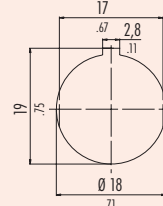
19 pol



24 pol



Montageausschnitt  
Panel cut out



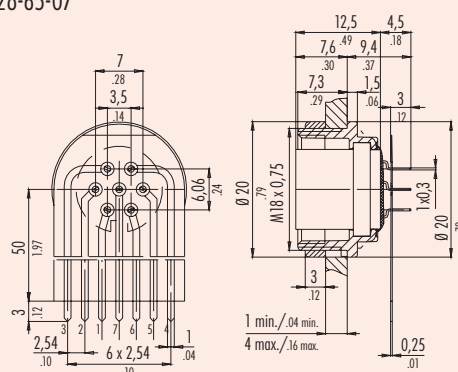
24 pol

|    | X     | Y     |    | X    | Y     |
|----|-------|-------|----|------|-------|
| 1  | -4,00 | -1,50 | 13 | 0,80 | 3,10  |
| 2  | -4,00 | 0,35  | 14 | 0,80 | 1,30  |
| 3  | -4,00 | 2,20  | 15 | 0,80 | -0,55 |
| 4  | -2,40 | 3,10  | 16 | 0,80 | -2,40 |
| 5  | -2,40 | 1,30  | 17 | 2,40 | -3,30 |
| 6  | -2,40 | -0,55 | 18 | 2,40 | -1,50 |
| 7  | -2,40 | -2,40 | 19 | 2,40 | 0,35  |
| 8  | -0,80 | -3,30 | 20 | 2,40 | 2,20  |
| 9  | -0,80 | -1,50 | 21 | 2,40 | 4,00  |
| 10 | -0,80 | 0,35  | 22 | 4,00 | 1,30  |
| 11 | -0,80 | 2,20  | 23 | 4,00 | -0,55 |
| 12 | -0,80 | 4,00  | 24 | 4,00 | -2,40 |

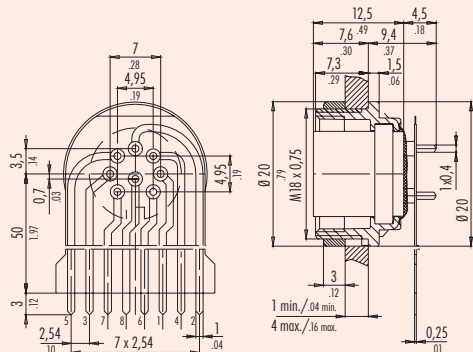
<sup>1)</sup> Polbilder von Serie 680 / Contact arrangements from series 680.

## Zeichnungen Drawings

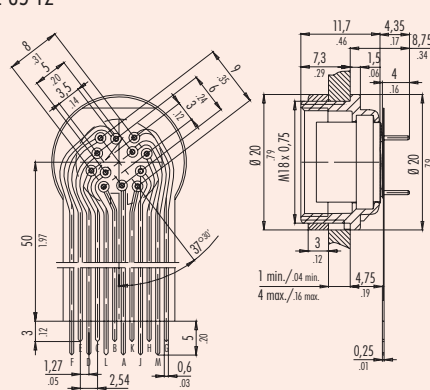
09-0328-65-07



09-0474-65-08



09-0332-65-12



09-0332-66-12

