

Miniatur

小型连接器



小型 M16螺母锁紧 IP40 M16 Miniature IP40

电缆连接器

- M16 螺母锁紧

连接器 IP40

螺纹锁紧连接器，符合
DIN EN 61076-2-106 标准

- 防护等级 IP40
- 极好的屏蔽性能
- 电缆套管结构，防止电缆弯折，
夹紧环，焊接环或电缆端子
- 内置电缆夹紧圈
- 组装前先接地焊接
- 价廉物美

Cable Connectors

- Screw termination M16
- 2 – 24 contacts
- Degree of protection IP40 ¹⁾
- Solder/crimp/screw clamp termination
- Diameter 17.2 mm/17.5 mm/18.5 mm/20 mm
- Shieldable versions
- Acc. to DIN EN 61076-2-106

Panel Mount Connectors

- Screw termination M16
- 2 – 24 contacts
- Degree of protection IP40 ¹⁾
- Solder/dip solder/crimp termination
- Diameter 20 mm
- Shieldable
- Acc. to DIN EN 61076-2-106

Kabelsteckverbinder

- Schraubverriegelung M16
- 2 – 24-polig
- Schutzart IP40 ¹⁾
- Löt-/Crimp-/Schraubklemmanschluss
- Durchmesser 17,2 mm/17,5 mm/18,5 mm
- Schirmbare Ausführungen
- Nach DIN EN 61076-2-106

Flanschsteckverbinder

- Schraubverriegelung M16
- 2 – 24-polig
- Schutzart IP40 ¹⁾
- Löt-/Tauchlöt-/Crimpschluss
- Durchmesser 20 mm
- Schirmbar
- Nach DIN EN 61076-2-106

¹⁾ Erläuterung der Schutzarten siehe technische Informationen./ ¹⁾ Explanation of protection standards see technical information.

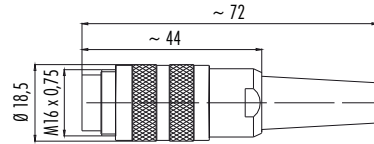
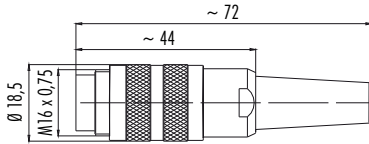
带焊接孔环的电缆连接器，针，屏蔽
Male cable connector with solder eye ring, shieldable

带焊接孔环的电缆连接器，针，屏蔽
Male cable connector with solder eye ring, shieldable

图例 / Figure



尺寸图 / Drawing



订货信息 / Order Data

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|------------------------|--------------------------------|------------------------------|
| 2 | 4-6 mm | 99 2001 00 02 | 99 2001 09 02 |
| 3 DIN | 4-6 mm | 99 2005 00 03 | 99 2005 09 03 |
| 4 | 4-6 mm | 99 2009 00 04 | 99 2009 09 04 |
| 5 | 4-6 mm | 99 2013 00 05 | 99 2013 09 05 |
| 5 (Stereo) | 4-6 mm | 99 2017 00 05 | 99 2017 09 05 |
| 6 DIN | 4-6 mm | 99 2021 00 06 | 99 2021 09 06 |
| 7 | 4-6 mm | 99 2025 00 07 | 99 2025 09 07 |
| 7 DIN | 4-6 mm | 99 2581 00 07 | - ¹⁾ |
| 8 DIN | 4-6 mm | 99 2061 00 08 | 99 2061 09 08 |
| 12 | 4-6 mm | - | 99 2029 00 12 |
| 14 | 4-6 mm | - | 99 2033 00 14 |
| 16 | 4-6 mm | - | 99 2037 00 16 |
| 19 | 4-6 mm | - | 99 2041 00 19 |
| 24 | 4-6 mm | - | - |

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|------------------------|--------------------------------|------------------------------|
| 2 | 6-8 mm | 99 2001 02 02 | 99 2001 92 02 |
| 3 DIN | 6-8 mm | 99 2005 02 03 | 99 2005 92 03 |
| 4 | 6-8 mm | 99 2009 02 04 | 99 2009 92 04 |
| 5 | 6-8 mm | 99 2013 02 05 | 99 2013 92 05 |
| 5 (Stereo) | 6-8 mm | 99 2017 02 05 | 99 2017 92 05 |
| 6 DIN | 6-8 mm | 99 2021 02 06 | 99 2021 92 06 |
| 7 | 6-8 mm | 99 2025 02 07 | 99 2025 92 07 |
| 7 DIN | 6-8 mm | - ¹⁾ | - ¹⁾ |
| 8 DIN | 6-8 mm | 99 2061 02 08 | 99 2061 92 08 |
| 12 | 6-8 mm | - | 99 2029 02 12 |
| 14 | 6-8 mm | - | 99 2033 02 14 |
| 16 | 6-8 mm | - | 99 2037 02 16 |
| 19 | 6-8 mm | - | 99 2041 02 19 |
| 24 | 6-8 mm | - | 99 2045 02 24 |

技术参数 / Specifications

| 芯数 | 2 | 3 DIN | 4 | 5 | 5 (Stereo) | 6 DIN | 7 | 7 DIN | 8 DIN | 12 | 14 | 16 | 19 | 24 | Number of contacts | |
|--------------|---|-------|---|-------------|------------|--------------|---|--------------|-------|-------------|---|----|-----|----|---------------------------|------------|
| 锁紧方式 | M16 螺母锁紧 / screw | | | | | | | | | | | | | | Connector locking system | |
| 接线方式 | 焊接 / solder | | | | | | | | | | | | | | Termination | |
| 导线截面 | max. 0,75 mm ² (max. AWG 20) | | | | | | | | | | max. 0,25 mm ² (max. AWG 24) | | | | 0,14 mm ² (26) | Wire gauge |
| 电缆出口直径 | 4-6 mm (PG 7), 6-8 mm (PG 9) | | | | | | | | | | | | | | Cable outlet | |
| 防护等级 | IP40 | | | | | | | | | | | | | | Degree of protection | |
| 插拔周期 | >500 插拔周期 / > 500 mating cycles | | | | | | | | | | | | | | Mechanical operation | |
| 最高工作温度 | + 85 °C | | | | | | | | | | | | | | Upper temperature | |
| 最低工作温度 | - 40 °C | | | | | | | | | | | | | | Lower temperature | |
| 额定电压 | 250 V (32 V) | | | 60 V (32 V) | | 250 V (32 V) | | 125 V (32 V) | | 60 V (32 V) | | | | | Rated voltage | |
| 额定冲击电压 | 1500 V | | | 500 V | | 1500 V | | 800 V | | 500 V | | | | | Rated impulse voltage | |
| 污染等级 | 1 (2) ²⁾ | | | | | | | | | | | | | | Pollution degree | |
| 过电压等级 | I (II) ²⁾ | | | | | | | | | | | | | | Overvoltage categorie | |
| 绝缘等级 | III | | | | | | | | | | | | | | Material group | |
| 额定电流 (40 °C) | 7 A | | | 6 A | | 5 A | | 3 A | | | | | 1 A | | Rated current (40 °C) | |
| 触点电阻 | ≤ 5 mΩ / ≤ 3 mΩ | | | | | | | | | | | | | | Contact resistance | |
| 插针材料 | CuZn (黄铜 / brass) | | | | | | | | | | | | | | Material of contact | |
| 插针表面材料 | Ag (银 / silver) / Au (金 / gold) | | | | | | | | | | Au (金 / gold) | | | | Contact plating | |
| 插头主体材料 | PBT | | | | | | | | | | | | | | Material of contact body | |
| 外壳材料 | CuZn (黄铜镀镍 / brass, nickel plated) | | | | | | | | | | | | | | Material of housing | |

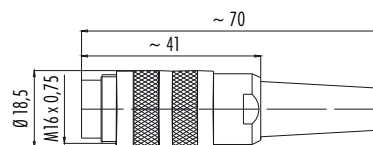
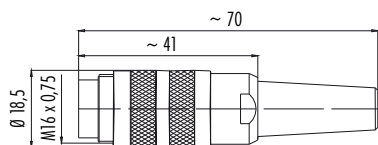
带电缆夹紧的电缆连接器，针，屏蔽
Male cable connector with cable clamp, shieldable

带电缆夹紧的电缆连接器，针，屏蔽
Male cable connector with cable clamp, shieldable

图例 / Figure



尺寸图 / Drawing



订货信息 / Order Data

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|------------------------|--------------------------------|------------------------------|
| 2 | 4–6 mm | 99 2001 10 02 | 99 2001 19 02 |
| 3 DIN | 4–6 mm | 99 2005 10 03 | – ¹⁾ |
| 4 | 4–6 mm | 99 2009 10 04 | – ¹⁾ |
| 5 | 4–6 mm | 99 2013 10 05 | 99 2013 19 05 |
| 5 (Stereo) | 4–6 mm | 99 2017 10 05 | – ¹⁾ |
| 6 DIN | 4–6 mm | 99 2021 10 06 | 99 2021 19 06 |
| 7 | 4–6 mm | 99 2025 10 07 | 99 2025 19 07 |
| 7 DIN | 4–6 mm | – ¹⁾ | – ¹⁾ |
| 8 DIN | 4–6 mm | 99 2061 10 08 | – ¹⁾ |
| 12 | 4–6 mm | – | 99 2029 10 12 |
| 14 | 4–6 mm | – | 99 2033 10 14 |
| 16 | 4–6 mm | – | 99 2037 10 16 |
| 19 | 4–6 mm | – | 99 2041 10 19 |
| 24 | 4–6 mm | – | – |

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|------------------------|--------------------------------|------------------------------|
| 2 | 6–8 mm | 99 2001 20 02 | 99 2001 29 02 |
| 3 DIN | 6–8 mm | 99 2005 20 03 | 99 2005 29 03 |
| 4 | 6–8 mm | 99 2009 20 04 | 99 2009 29 04 |
| 5 | 6–8 mm | 99 2013 20 05 | 99 2013 29 05 |
| 5 (Stereo) | 6–8 mm | 99 2017 20 05 | – ¹⁾ |
| 6 DIN | 6–8 mm | 99 2021 20 06 | 99 2021 29 06 |
| 7 | 6–8 mm | 99 2025 20 07 | 99 2025 29 07 |
| 7 DIN | 6–8 mm | – ¹⁾ | – ¹⁾ |
| 8 DIN | 6–8 mm | 99 2061 20 08 | 99 2061 29 08 |
| 12 | 6–8 mm | – | 99 2029 20 12 |
| 14 | 6–8 mm | – | 99 2033 20 14 |
| 16 | 6–8 mm | – | 99 2037 20 16 |
| 19 | 6–8 mm | – | 99 2041 20 19 |
| 24 | 6–8 mm | – | 99 2045 20 24 |

技术参数 / Specifications

| 芯数 | 2 | 3 DIN | 4 | 5 | 5 (Stereo) | 6 DIN | 7 | 7 DIN | 8 DIN | 12 | 14 | 16 | 19 | 24 | Number of contacts | |
|--------------|---|-------|-----|-------------|------------|--------------|---|--------------|-------|----------------|---|-----|---------------------------|----|--------------------------|-----------------|
| 锁紧方式 | M16 螺母锁紧 / screw | | | | | | | | | | | | | | Connector locking system | |
| 接线方式 | 焊接 / solder | | | | | | | | | | | | | | Termination | |
| 导线截面 | max. 0,75 mm ² (max. AWG 20) | | | | | | | | | | max. 0,25 mm ² (max. AWG 24) | | 0,14 mm ² (26) | | Wire gauge | |
| 电缆出口直径 | 4–6 mm (PG 7), 6–8 mm (PG 9) | | | | | | | | | | | | | | Cable outlet | |
| 防护等级 | IP40 | | | | | | | | | | | | | | Degree of protection | |
| 插拔周期 | >500 插拔周期 / > 500 mating cycles | | | | | | | | | | | | | | Mechanical operation | |
| 最高工作温度 | + 85 °C | | | | | | | | | | | | | | Upper temperature | |
| 最低工作温度 | – 40 °C | | | | | | | | | | | | | | Lower temperature | |
| 额定电压 | 250 V (32 V) | | | 60 V (32 V) | | 250 V (32 V) | | 125 V (32 V) | | 60 V (32 V) | | | | | Rated voltage | |
| 额定冲击电压 | 1500 V | | | 500 V | | 1500 V | | 800 V | | 500 V | | | | | Rated impulse voltage | |
| 污染等级 | 1 (2) ²⁾ | | | | | | | | | | | | | | Pollution degree | |
| 过电压等级 | I (II) ²⁾ | | | | | | | | | | | | | | Overvoltage categorie | |
| 绝缘等级 | III | | | | | | | | | | | | | | Material group | |
| 额定电流 (40 °C) | 7 A | | 6 A | | | 5 A | | | 3 A | | | 1 A | | | Rated current (40 °C) | |
| 触点电阻 | ≤ 5 mΩ / ≤ 3 mΩ | | | | | | | | | | | | | | Contact resistance | |
| 插针材料 | CuZn(黄铜 / brass) | | | | | | | | | | | | | | Material of contact | |
| 插针表面材料 | Ag(银 / silver) / Au(金 / gold) | | | | | | | | | Au(金 / gold) | | | | | | Contact plating |
| 插头主体材料 | PBT | | | | | | | | | | | | | | Material of contact body | |
| 外壳材料 | CuZn(黄铜镀镍 / brass, nickel plated) | | | | | | | | | | | | | | Material of housing | |

¹⁾ 根据需求。¹⁾ Upon request.

²⁾ 当污染等级为2级，过电压级别为 II 时，额定电压降至32V。²⁾ In case of pollution degree 2, overvoltage category II rated voltage is reduced to 32V.

带电缆夹紧的电缆连接器，针，螺钉接线，屏蔽

Male cable connector with cable clamp, screw clamp connection, shieldable

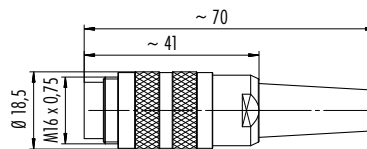
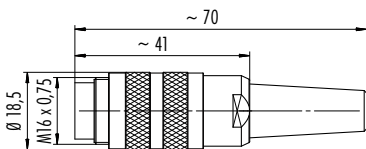
带电缆夹紧的电缆连接器，针，螺钉接线，屏蔽

Male cable connector with cable clamp, screw clamp connection, shieldable

图例 / Figure



尺寸图 / Drawing



订货信息 / Order Data

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts |
|----------------|------------------------|--------------------------------|
| 3 | 4–6 mm | 99 2005 210 03 |
| 4 | 4–6 mm | 99 2009 210 04 |
| 5 | 4–6 mm | 99 2013 210 05 |

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts |
|----------------|------------------------|--------------------------------|
| 3 | 6–8 mm | 99 2005 220 03 |
| 4 | 6–8 mm | 99 2009 220 04 |
| 5 | 6–8 mm | 99 2013 220 05 |

技术参数 / Specifications

| 芯数 | 3 | 4 | 5 | Number of contacts |
|--------------|--|---|-----|--------------------------|
| 锁紧方式 | M16 螺母锁紧 / screw | | | Connector locking system |
| 接线方式 | 螺钉接线 / screw | | | Termination |
| 导线截面 | 0,25 mm ² – 1,5 mm ² (AWG 24 – AWG 16) | | | Wire gauge |
| 电缆出口直径 | 4–6 mm (PG 7), 6–8 mm (PG 9) | | | Cable outlet |
| 防护等级 | IP40 | | | Degree of protection |
| 插拔周期 | >500 插拔周期 / > 500 mating cycles | | | Mechanical operation |
| 最高工作温度 | + 85 °C | | | Upper temperature |
| 最低工作温度 | – 40 °C | | | Lower temperature |
| 额定电压 | 250 V (32 V) | | | Rated voltage |
| 额定冲击电压 | 1500 V | | | Rated impulse voltage |
| 污染等级 | 1 (2) ¹⁾ | | | Pollution degree |
| 过电压等级 | I (II) ¹⁾ | | | Overvoltage categorie |
| 绝缘等级 | III | | | Material group |
| 额定电流 (40 °C) | 7 A | | 6 A | Rated current (40 °C) |
| 触点电阻 | ≤ 5 mΩ | | | Contact resistance |
| 插针材料 | CuZn(黄铜 / brass) | | | Material of contact |
| 插针表面材料 | Ag(银 / silver) | | | Contact plating |
| 插头主体材料 | PBT | | | Material of contact body |
| 外壳材料 | CuZn(黄铜镀镍 / brass, nickel plated) | | | Material of housing |

带电缆夹紧的电缆连接器，针，压接，屏蔽
Male cable connector with cable clamp, crimp connection, shieldable

带电缆夹紧的电缆连接器，针，压接，屏蔽
Male cable connector with cable clamp, crimp connection, shieldable

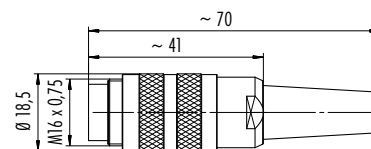
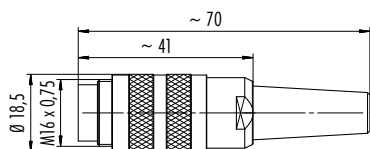
图例 / Figure



压接插针见202页
Crimp and ribbon contacts see page 202

压接插针见202页
Crimp and ribbon contacts see page 202

尺寸图 / Drawing



订货信息 / Order Data

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts |
|----------------|------------------------|--------------------------------|
| 4 | 4–6 mm | 99 2009 700 04 |
| 5 | 4–6 mm | 99 2013 700 05 |
| 6 DIN | 4–6 mm | 99 2021 700 06 |
| 7 | 4–6 mm | 99 2025 700 07 |
| 8 DIN | 4–6 mm | 99 2061 700 08 |

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts |
|----------------|------------------------|--------------------------------|
| 4 | 6–8 mm | 99 2009 702 04 |
| 5 | 6–8 mm | 99 2013 702 05 |
| 6 DIN | 6–8 mm | 99 2021 702 06 |
| 7 | 6–8 mm | 99 2025 702 07 |
| 8 DIN | 6–8 mm | 99 2061 702 08 |

技术参数 / Specifications

| 芯数 | 4 | 5 | 6 DIN | 7 | 8 DIN | Number of contacts |
|--------------|---|---|-------|--------------|-------------|--------------------------|
| 锁紧方式 | M16 螺母锁紧 / screw | | | | | Connector locking system |
| 接线方式 | 压接 / crimp | | | | | Termination |
| 导线截面 | 4–6 pol. 0,14 mm ² –1,0 mm ² (AWG 26–AWG 18), 7+8 pol. 0,14 mm ² –0,75 mm ² (AWG 26–AWG 20) | | | | | Wire gauge |
| 电缆出口直径 | 4–6 mm (PG 7), 6–8 mm (PG 9) | | | | | Cable outlet |
| 防护等级 | IP40 | | | | | Degree of protection |
| 插拔周期 | >500 插拔周期 / > 500 mating cycles | | | | | Mechanical operation |
| 最高工作温度 | + 85 °C | | | | | Upper temperature |
| 最低工作温度 | – 40 °C | | | | | Lower temperature |
| 额定电压 | 250 V (32 V) | | | 125 V (32 V) | 60 V (32 V) | Rated voltage |
| 额定冲击电压 | 1500 V | | | 800 V | 500 V | Rated impulse voltage |
| 污染等级 | 1 (2) ¹⁾ | | | | | Pollution degree |
| 过电压等级 | I (II) ¹⁾ | | | | | Overvoltage categorie |
| 绝缘等级 | III | | | | | Material group |
| 额定电流 (40 °C) | 6 A | | | 5 A | | Rated current (40 °C) |
| 触点电阻 | ≤ 5 mΩ | | | | | Contact resistance |
| 插针材料 | — | | | | | Material of contact |
| 插针表面材料 | Ag(银 / silver) | | | | | Contact plating |
| 插头主体材料 | PBT | | | | | Material of contact body |
| 外壳材料 | CuZn(黄铜镀镍 / brass, nickel plated) | | | | | Material of housing |

¹⁾当污染等级为2级，过电压级别为 II 时，额定电压降至32V。¹⁾In case of pollution degree 2, overvoltage category II rated voltage is reduced to 32 V.

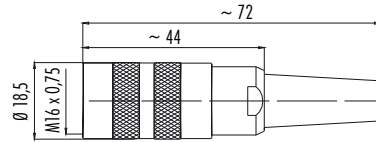
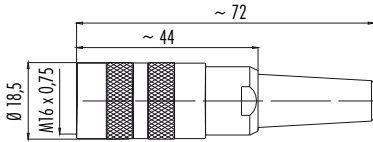
带焊接孔环的电缆连接器，孔，屏蔽
Female cable connector with solder eye ring, shieldable

带焊接孔环的电缆连接器，孔，屏蔽
Female cable connector with solder eye ring, shieldable

图例 / Figure



尺寸图 / Drawing



订货信息 / Order Data

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|------------------------|--------------------------------|------------------------------|
| 2 | 4–6 mm | 99 2002 00 02 | 99 2002 09 02 |
| 3 DIN | 4–6 mm | 99 2006 00 03 | 99 2006 09 03 |
| 4 | 4–6 mm | 99 2010 00 04 | 99 2010 09 04 |
| 5 | 4–6 mm | 99 2014 00 05 | 99 2014 09 05 |
| 5 (Stereo) | 4–6 mm | 99 2018 00 05 | 99 2018 09 05 |
| 6 DIN | 4–6 mm | 99 2022 00 06 | 99 2022 09 06 |
| 7 | 4–6 mm | 99 2026 00 07 | 99 2026 09 07 |
| 7 DIN | 4–6 mm | 99 2582 00 07 | – ¹⁾ |
| 8 DIN | 4–6 mm | 99 2062 00 08 | 99 2062 09 08 |
| 12 | 4–6 mm | – | 99 2030 00 12 |
| 14 | 4–6 mm | – | 99 2034 00 14 |
| 16 | 4–6 mm | – | 99 2038 00 16 |
| 19 | 4–6 mm | – | 99 2042 00 19 |
| 24 | 4–6 mm | – | – |

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|------------------------|--------------------------------|------------------------------|
| 2 | 6–8 mm | 99 2002 02 02 | 99 2002 92 02 |
| 3 DIN | 6–8 mm | 99 2006 02 03 | 99 2006 92 03 |
| 4 | 6–8 mm | 99 2010 02 04 | 99 2010 92 04 |
| 5 | 6–8 mm | 99 2014 02 05 | 99 2014 92 05 |
| 5 (Stereo) | 6–8 mm | 99 2018 02 05 | 99 2018 92 05 |
| 6 DIN | 6–8 mm | 99 2022 02 06 | 99 2022 92 06 |
| 7 | 6–8 mm | 99 2026 02 07 | 99 2026 92 07 |
| 7 DIN | 6–8 mm | – ¹⁾ | – ¹⁾ |
| 8 DIN | 6–8 mm | 99 2062 02 08 | 99 2062 92 08 |
| 12 | 6–8 mm | – | 99 2030 02 12 |
| 14 | 6–8 mm | – | 99 2034 02 14 |
| 16 | 6–8 mm | – | 99 2038 02 16 |
| 19 | 6–8 mm | – | 99 2042 02 19 |
| 24 | 6–8 mm | – | 99 2046 02 24 |

技术参数 / Specifications

| 芯数 | 2 | 3 DIN | 4 | 5 | 5 (Stereo) | 6 DIN | 7 | 7 DIN | 8 DIN | 12 | 14 | 16 | 19 | 24 | Number of contacts |
|--------------|---|-------|-------------|---|--------------|--------------|-------------|-------|-------|----|---|-----|---------------------------|-----------------------|--------------------------|
| 锁紧方式 | M16 螺母锁紧 / screw | | | | | | | | | | | | | | Connector locking system |
| 接线方式 | 焊接 / solder | | | | | | | | | | | | | | Termination |
| 导线截面 | max. 0,75 mm ² (max. AWG 20) | | | | | | | | | | max. 0,25 mm ² (max. AWG 24) | | 0,14 mm ² (26) | | Wire gauge |
| 电缆出口直径 | 4–6 mm (PG 7), 6–8 mm (PG 9) | | | | | | | | | | | | | | Cable outlet |
| 防护等级 | IP40 | | | | | | | | | | | | | | Degree of protection |
| 插拔周期 | >500 插拔周期 / > 500 mating cycles | | | | | | | | | | | | | | Mechanical operation |
| 最高工作温度 | + 85 °C | | | | | | | | | | | | | | Upper temperature |
| 最低工作温度 | – 40 °C | | | | | | | | | | | | | | Lower temperature |
| 额定电压 | 250 V (32 V) | | 60 V (32 V) | | 250 V (32 V) | 125 V (32 V) | 60 V (32 V) | | | | | | Rated voltage | | |
| 额定冲击电压 | 1500 V | | 500 V | | 1500 V | 800 V | 500 V | | | | | | Rated impulse voltage | | |
| 污染等级 | 1 (2) ²⁾ | | | | | | | | | | | | | | Pollution degree |
| 过电压等级 | I (II) ²⁾ | | | | | | | | | | | | | | Overvoltage categorie |
| 绝缘等级 | III | | | | | | | | | | | | | | Material group |
| 额定电流 (40 °C) | 7 A | | 6 A | | 5 A | | | 3 A | | | | 1 A | | Rated current (40 °C) | |
| 触点电阻 | ≤ 5 mΩ / ≤ 3 mΩ | | | | | | | | | | | | | | Contact resistance |
| 插针材料 | CuSn(青铜/bronze) | | | | | | | | | | | | | | Material of contact |
| 插针表面材料 | Ag(银/silver) / Au(金/gold) | | | | | | Au(金/gold) | | | | | | Contact plating | | |
| 插头主体材料 | PBT | | | | | | | | | | | | | | Material of contact body |
| 外壳材料 | CuZn(黄铜镀镍/brass, nickel plated) | | | | | | | | | | | | | | Material of housing |

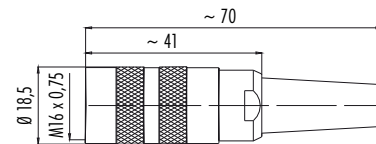
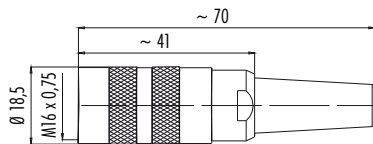
带电缆夹紧的电缆连接器，孔，屏蔽
Female cable connector with cable clamp, shieldable

带电缆夹紧的电缆连接器，孔，屏蔽
Female cable connector with cable clamp, shieldable

图例 / Figure



尺寸图 / Drawing



订货信息 / Order Data

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|------------------------|--------------------------------|------------------------------|
| 2 | 4–6 mm | 99 2002 10 02 | 99 2002 19 02 |
| 3 DIN | 4–6 mm | 99 2006 10 03 | 99 2006 19 03 |
| 4 | 4–6 mm | 99 2010 10 04 | – ¹⁾ |
| 5 | 4–6 mm | 99 2014 10 05 | 99 2014 19 05 |
| 5 (Stereo) | 4–6 mm | 99 2018 10 05 | – ¹⁾ |
| 6 DIN | 4–6 mm | 99 2022 10 06 | 99 2022 19 06 |
| 7 | 4–6 mm | 99 2026 10 07 | 99 2026 19 07 |
| 7 DIN | 4–6 mm | – ¹⁾ | – ¹⁾ |
| 8 DIN | 4–6 mm | 99 2062 10 08 | – ¹⁾ |
| 12 | 4–6 mm | – | 99 2030 10 12 |
| 14 | 4–6 mm | – | 99 2034 10 14 |
| 16 | 4–6 mm | – | 99 2038 10 16 |
| 19 | 4–6 mm | – | 99 2042 10 19 |
| 24 | 4–6 mm | – | – |

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|------------------------|--------------------------------|------------------------------|
| 2 | 6–8 mm | 99 2002 20 02 | 99 2002 29 02 |
| 3 DIN | 6–8 mm | 99 2006 20 03 | 99 2006 29 03 |
| 4 | 6–8 mm | 99 2010 20 04 | 99 2010 29 04 |
| 5 | 6–8 mm | 99 2014 20 05 | 99 2014 29 05 |
| 5 (Stereo) | 6–8 mm | 99 2018 20 05 | – ¹⁾ |
| 6 DIN | 6–8 mm | 99 2022 20 06 | 99 2022 29 06 |
| 7 | 6–8 mm | 99 2026 20 07 | 99 2026 29 07 |
| 7 DIN | 6–8 mm | – ¹⁾ | – ¹⁾ |
| 8 DIN | 6–8 mm | 99 2062 20 08 | 99 2062 29 08 |
| 12 | 6–8 mm | – | 99 2030 20 12 |
| 14 | 6–8 mm | – | 99 2034 20 14 |
| 16 | 6–8 mm | – | 99 2038 20 16 |
| 19 | 6–8 mm | – | 99 2042 20 19 |
| 24 | 6–8 mm | – | 99 2046 20 24 |

技术参数 / Specifications

| 芯数 | 2 | 3 DIN | 4 | 5 | 5 (Stereo) | 6 DIN | 7 | 7 DIN | 8 DIN | 12 | 14 | 16 | 19 | 24 | Number of contacts |
|--------------|---|-------|-----|-------------|------------|--------------|------------|--------------|-------|-------------|---|-----|---------------------------|----|--------------------------|
| 锁紧方式 | M16 螺母锁紧 / screw | | | | | | | | | | | | | | Connector locking system |
| 接线方式 | 焊接 / solder | | | | | | | | | | | | | | Termination |
| 导线截面 | max. 0,75 mm ² (max. AWG 20) | | | | | | | | | | max. 0,25 mm ² (max. AWG 24) | | 0,14 mm ² (26) | | Wire gauge |
| 电缆出口直径 | 4–6 mm (PG 7), 6–8 mm (PG 9) | | | | | | | | | | | | | | Cable outlet |
| 防护等级 | IP40 | | | | | | | | | | | | | | Degree of protection |
| 插拔周期 | >500 插拔周期 / > 500 mating cycles | | | | | | | | | | | | | | Mechanical operation |
| 最高工作温度 | + 85 °C | | | | | | | | | | | | | | Upper temperature |
| 最低工作温度 | – 40 °C | | | | | | | | | | | | | | Lower temperature |
| 额定电压 | 250 V (32 V) | | | 60 V (32 V) | | 250 V (32 V) | | 125 V (32 V) | | 60 V (32 V) | | | | | Rated voltage |
| 额定冲击电压 | 1500 V | | | 500 V | | 1500 V | | 800 V | | 500 V | | | | | Rated impulse voltage |
| 污染等级 | 1 (2) ²⁾ | | | | | | | | | | | | | | Pollution degree |
| 过电压等级 | I (II) ²⁾ | | | | | | | | | | | | | | Overvoltage categorie |
| 绝缘等级 | III | | | | | | | | | | | | | | Material group |
| 额定电流 (40 °C) | 7 A | | 6 A | | | 5 A | | | 3 A | | | 1 A | | | Rated current (40 °C) |
| 触点电阻 | ≤ 5 mΩ / ≤ 3 mΩ | | | | | | | | | | | | | | Contact resistance |
| 插针材料 | CuSn(青铜/bronze) | | | | | | | | | | | | | | Material of contact |
| 插针表面材料 | Ag(银/silver) / Au(金/gold) | | | | | | Au(金/gold) | | | | | | | | Contact plating |
| 插头主体材料 | PBT | | | | | | | | | | | | | | Material of contact body |
| 外壳材料 | CuZn(黄铜镀镍/brass, nickel plated) | | | | | | | | | | | | | | Material of housing |

¹⁾ 根据需求。 ¹⁾ Upon request.

²⁾ 当污染等级为2级，过电压级别为 II 时，额定电压降至32V。 ²⁾ In case of pollution degree 2, overvoltage category II rated voltage is reduced to 32V.

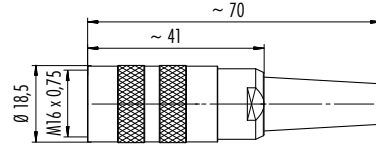
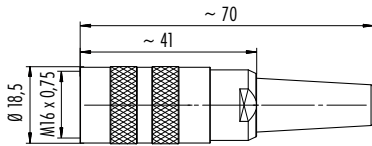
带电缆夹紧的电缆连接器，孔，螺钉接线，屏蔽
Female cable connector with cable clamp, screw clamp connection, shieldable

带电缆夹紧的电缆连接器，孔，螺钉接线，屏蔽
Female cable connector with cable clamp, screw clamp connection, shieldable

图例 / Figure



尺寸图 / Drawing



订货信息 / Order Data

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts |
|----------------|------------------------|--------------------------------|
| 3 | 4–6 mm | 99 2006 210 03 |
| 4 | 4–6 mm | 99 2010 210 04 |
| 5 | 4–6 mm | 99 2014 210 05 |

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts |
|----------------|------------------------|--------------------------------|
| 3 | 6–8 mm | 99 2006 220 03 |
| 4 | 6–8 mm | 99 2010 220 04 |
| 5 | 6–8 mm | 99 2014 220 05 |

技术参数 / Specifications

| 芯数 | 3 | 4 | 5 | Number of contacts |
|--------------|--|---|-----|--------------------------|
| 锁紧方式 | M16 螺母锁紧 / screw | | | Connector locking system |
| 接线方式 | 螺钉接线 / screw | | | Termination |
| 导线截面 | 0,25 mm ² – 1,5 mm ² (AWG 24 – AWG 16) | | | Wire gauge |
| 电缆出口直径 | 4–6 mm (PG 7), 6–8 mm (PG 9) | | | Cable outlet |
| 防护等级 | IP40 | | | Degree of protection |
| 插拔周期 | >500 插拔周期 / > 500 mating cycles | | | Mechanical operation |
| 最高工作温度 | + 85 °C | | | Upper temperature |
| 最低工作温度 | – 40 °C | | | Lower temperature |
| 额定电压 | 250 V (32 V) | | | Rated voltage |
| 额定冲击电压 | 1500 V | | | Rated impulse voltage |
| 污染等级 | 1 (2) ¹⁾ | | | Pollution degree |
| 过电压等级 | I (II) ¹⁾ | | | Overvoltage categorie |
| 绝缘等级 | III | | | Material group |
| 额定电流 (40 °C) | 7 A | | 6 A | Rated current (40 °C) |
| 触点电阻 | ≤ 5 mΩ | | | Contact resistance |
| 插针材料 | CuSn(青铜 / bronze) | | | Material of contact |
| 插针表面材料 | Ag(银 / silver) / Au(金 / gold) | | | Contact plating |
| 插头主体材料 | PBT | | | Material of contact body |
| 外壳材料 | CuZn(黄铜镀镍 / brass, nickel plated) | | | Material of housing |

带电缆夹紧的电缆连接器，孔，压接，屏蔽
Female cable connector with cable clamp, crimp connection, shieldable

带电缆夹紧的电缆连接器，孔，压接，屏蔽
Female cable connector with cable clamp, crimp connection, shieldable

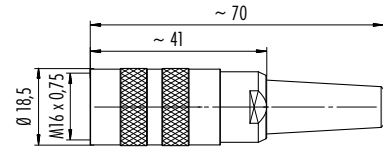
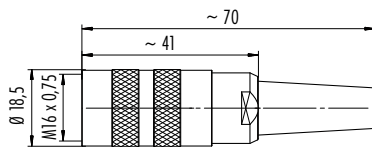
图例 / Figure



压接插针见202页
Crimp and ribbon contacts see page 202

压接插针见202页
Crimp and ribbon contacts see page 202

尺寸图 / Drawing



订货信息 / Order Data

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts |
|----------------|------------------------|--------------------------------|
| 4 | 4–6 mm | 99 2010 700 04 |
| 5 | 4–6 mm | 99 2014 700 05 |
| 6 DIN | 4–6 mm | 99 2022 700 06 |
| 7 | 4–6 mm | 99 2026 700 07 |
| 8 DIN | 4–6 mm | 99 2062 700 08 |

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts |
|----------------|------------------------|--------------------------------|
| 4 | 6–8 mm | 99 2010 702 04 |
| 5 | 6–8 mm | 99 2014 702 05 |
| 6 DIN | 6–8 mm | 99 2022 702 06 |
| 7 | 6–8 mm | 99 2026 702 07 |
| 8 DIN | 6–8 mm | 99 2062 702 08 |

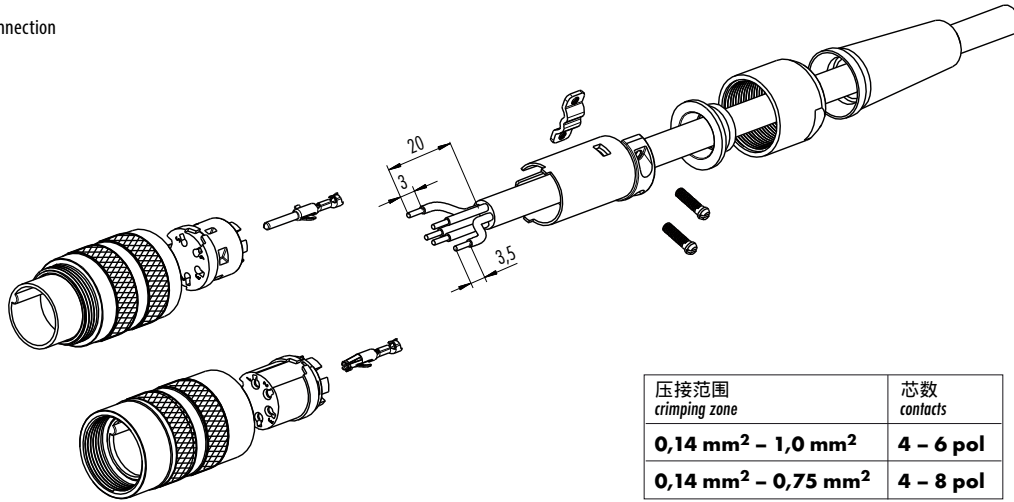
技术参数 / Specifications

| 芯数 | 4 | 5 | 6 DIN | 7 | 8 DIN | Number of contacts |
|--------------|---|---|-------|--------------|-------------|--------------------------|
| 锁紧方式 | M16 螺母锁紧 / screw | | | | | Connector locking system |
| 接线方式 | 压接 / crimp | | | | | Termination |
| 导线截面 | 4–6 pol. 0,14 mm ² –1,0 mm ² (AWG 26–AWG 18), 7+8 pol. 0,14 mm ² –0,75 mm ² (AWG 26–AWG 20) | | | | | Wire gauge |
| 电缆出口直径 | 4–6 mm (PG 7), 6–8 mm (PG 9) | | | | | Cable outlet |
| 防护等级 | IP40 | | | | | Degree of protection |
| 插拔周期 | >500 插拔周期 / > 500 mating cycles | | | | | Mechanical operation |
| 最高工作温度 | + 85 °C | | | | | Upper temperature |
| 最低工作温度 | – 40 °C | | | | | Lower temperature |
| 额定电压 | 250 V (32 V) | | | 125 V (32 V) | 60 V (32 V) | Rated voltage |
| 额定冲击电压 | 1500 V | | | 800 V | 500 V | Rated impulse voltage |
| 污染等级 | 1 (2) ¹⁾ | | | | | Pollution degree |
| 过电压等级 | I (II) ¹⁾ | | | | | Overvoltage categorie |
| 绝缘等级 | III | | | | | Material group |
| 额定电流 (40 °C) | 6 A | | | 5 A | | Rated current (40 °C) |
| 触点电阻 | ≤ 5 mΩ | | | | | Contact resistance |
| 插针材料 | CuSn(青铜 / bronze) | | | | | Material of contact |
| 插针表面材料 | Ag(银 / silver) / Au(金 / gold) | | | | | Contact plating |
| 插头主体材料 | PBT | | | | | Material of contact body |
| 外壳材料 | CuZn(黄铜镀镍 / brass, nickel plated) | | | | | Material of housing |

¹⁾当污染等级为2级，过电压级别为 II 时，额定电压降至32V。¹⁾In case of pollution degree 2, overvoltage category II rated voltage is reduced to 32 V.

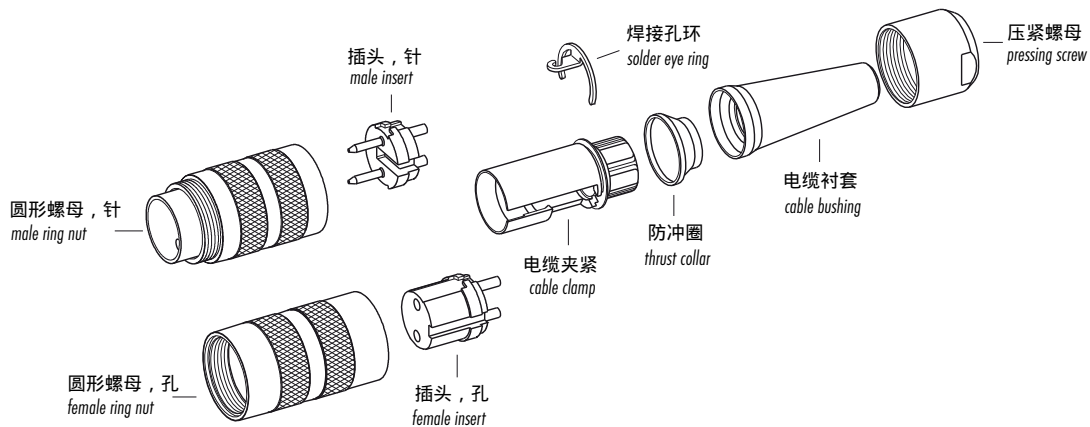
安装指南
Assembly instruction

电缆连接器，压接
Cable connectors with crimp connection

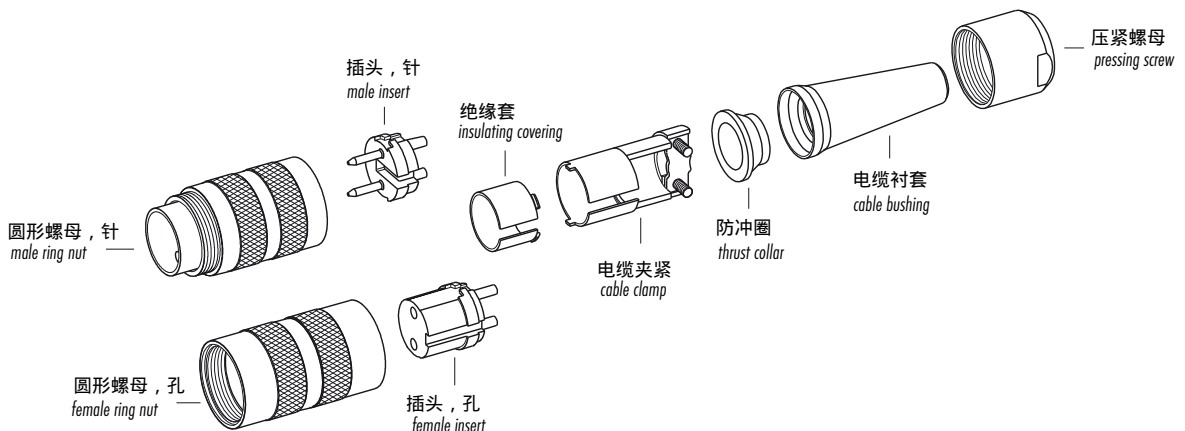


部件图
Component part drawing

带焊接孔环的电缆连接器
Cable connectors with solder eye ring

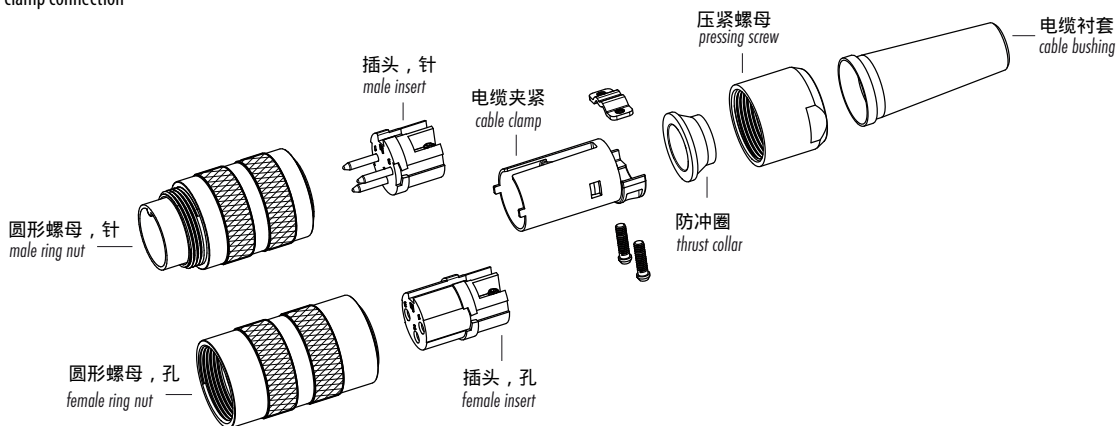


带电缆夹紧的电缆连接器
Cable connectors with cable clamp

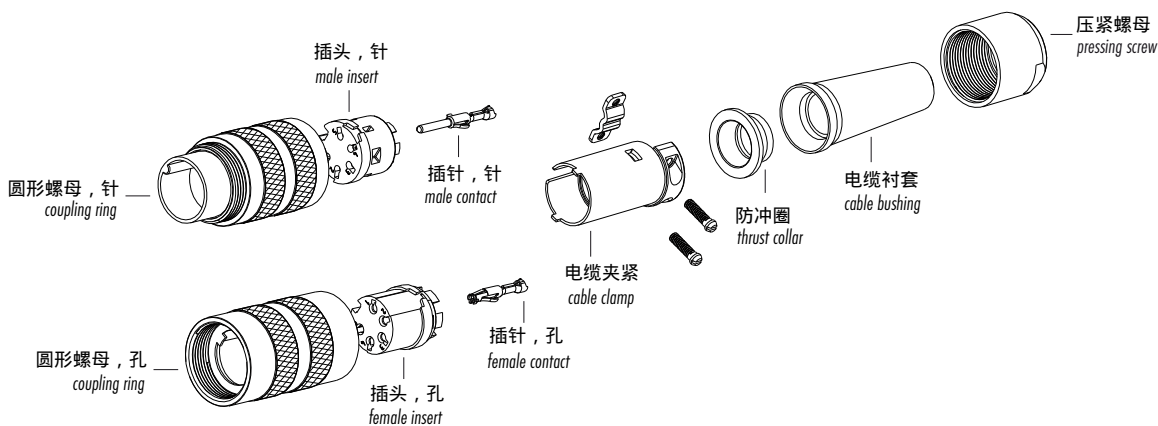


部件图
Component part drawing

带电缆夹紧的电缆连接器，螺钉接线
Cable connectors with screw clamp connection



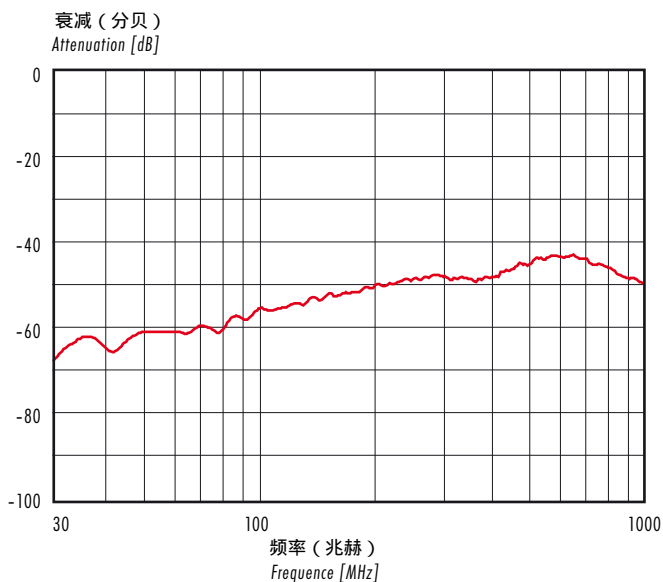
电缆连接器，压接
Cable connectors with crimp connection



额定
Rating

根据DIN 47250-6 规定的衰减曲线
带电缆夹紧的电缆连接器
(电缆系列IEEE 802.3)

Attenuation curve according to DIN 47250-6
for cable connectors with cable clamp
(cable version IEEE 802.3)



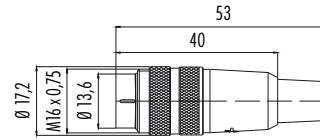
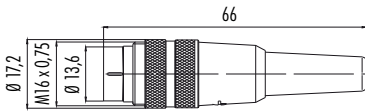
电缆连接器，针
Male cable connector

电缆连接器，针
Male cable connector

图例 / Figure



尺寸图 / Drawing



订货信息 / Order Data

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|------------------------|--------------------------------|------------------------------|
| 2 | 3-6 mm | 09 0301 00 02 | 09 0301 09 02 |
| 3 DIN | 3-6 mm | 09 0305 00 03 | 09 0305 09 03 |
| 4 | 3-6 mm | 09 0309 00 04 | 09 0309 09 04 |
| 5 | 3-6 mm | 09 0313 00 05 | 09 0313 09 05 |
| 5 (Stereo) | 3-6 mm | 09 0317 00 05 | 09 0317 09 05 |
| 6 DIN | 3-6 mm | 09 0321 00 06 | 09 0321 09 06 |
| 7 | 3-6 mm | 09 0325 00 07 | 09 0325 09 07 |
| 7 DIN | 3-6 mm | 09 1581 00 07 | - |
| 8 DIN | 3-6 mm | 09 0571 00 08 | 09 0571 09 08 |
| 12 | 3-6 mm | - | 09 0329 00 12 |
| 14 | 3-6 mm | - | 09 0341 00 14 |
| 16 | 3-6 mm | - | 09 0337 00 16 |
| 19 | 3-6 mm | - | 09 0343 00 19 |
| 24 | 3-6 mm | - | - |

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|------------------------|--------------------------------|------------------------------|
| 2 | 6-7,8 mm | 09 0301 02 02 | 09 0301 92 02 |
| 3 DIN | 6-7,8 mm | 09 0305 02 03 | 09 0305 92 03 |
| 4 | 6-7,8 mm | 09 0309 02 04 | 09 0309 92 04 |
| 5 | 6-7,8 mm | 09 0313 02 05 | 09 0313 92 05 |
| 5 (Stereo) | 6-7,8 mm | 09 0317 02 05 | 09 0317 92 05 |
| 6 DIN | 6-7,8 mm | 09 0321 02 06 | 09 0321 92 06 |
| 7 | 6-7,8 mm | 09 0325 02 07 | 09 0325 92 07 |
| 7 DIN | 6-7,8 mm | - | - |
| 8 DIN | 6-7,8 mm | 09 0571 02 08 | 09 0571 92 08 |
| 12 | 6-7,8 mm | - | 09 0329 02 12 |
| 14 | 6-7,8 mm | - | 09 0341 02 14 |
| 16 | 6-7,8 mm | - | 09 0337 02 16 |
| 19 | 6-7,8 mm | - | 09 0343 02 19 |
| 24 | 6-7,8 mm | - | 09 0345 02 24 |

技术参数 / Specifications

| 芯数 | 2 | 3 DIN | 4 | 5 | 5 (Stereo) | 6 DIN | 7 | 7 DIN | 8 DIN | 12 | 14 | 16 | 19 | 24 | Number of contacts |
|--------------|---|-------|-----|-------------|------------|--------------|---|---------------|-------|-------------|---|-----|---------------------------|----|--------------------------|
| 锁紧方式 | M16 螺母锁紧 / screw | | | | | | | | | | | | | | Connector locking system |
| 接线方式 | 焊接 / solder | | | | | | | | | | | | | | Termination |
| 导线截面 | max. 0,75 mm ² (max. AWG 20) | | | | | | | | | | max. 0,25 mm ² (max. AWG 24) | | 0,14 mm ² (26) | | Wire gauge |
| 电缆出口直径 | 3-6 mm, 6-7,8 mm | | | | | | | | | | | | | | Cable outlet |
| 防护等级 | IP40 | | | | | | | | | | | | | | Degree of protection |
| 插拔周期 | >500 插拔周期 / > 500 mating cycles | | | | | | | | | | | | | | Mechanical operation |
| 最高工作温度 | + 85 °C | | | | | | | | | | | | | | Upper temperature |
| 最低工作温度 | - 40 °C | | | | | | | | | | | | | | Lower temperature |
| 额定电压 | 250 V (32 V) | | | 60 V (32 V) | | 250 V (32 V) | | 125 V (32 V) | | 60 V (32 V) | | | | | Rated voltage |
| 额定冲击电压 | 1500 V | | | 500 V | | 1500 V | | 800 V | | 500 V | | | | | Rated impulse voltage |
| 污染等级 | 1 (2) ¹⁾ | | | | | | | | | | | | | | Pollution degree |
| 过电压等级 | I (II) ¹⁾ | | | | | | | | | | | | | | Overvoltage categorie |
| 绝缘等级 | III | | | | | | | | | | | | | | Material group |
| 额定电流 (40 °C) | 7 A | | 6 A | | | 5 A | | | 3 A | | | 1 A | | | Rated current (40 °C) |
| 触点电阻 | ≤ 5 mΩ / ≤ 3 mΩ | | | | | | | | | | | | | | Contact resistance |
| 插针材料 | CuZn(黄铜 / brass) | | | | | | | | | | | | | | Material of contact |
| 插针表面材料 | Ag(银 / silver) / Au(金 / gold) | | | | | | | Au(金 / gold) | | | | | | | Contact plating |
| 插头主体材料 | PBT | | | | | | | | | | | | | | Material of contact body |
| 外壳材料 | PA | | | | | | | | | | | | | | Material of housing |

小型连接器 680 系列

Miniature 680 Series

M16 IP40

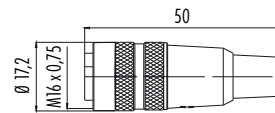
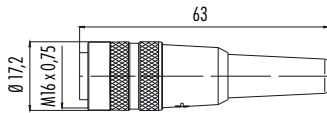
电缆连接器，孔
Female cable connector

电缆连接器，孔
Female cable connector

图例 / Figure



尺寸图 / Drawing



订货信息 / Order Data

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|------------------------|--------------------------------|------------------------------|
| 2 | 3–6 mm | 09 0302 00 02 | 09 0302 09 02 |
| 3 DIN | 3–6 mm | 09 0306 00 03 | 09 0306 09 03 |
| 4 | 3–6 mm | 09 0310 00 04 | 09 0310 09 04 |
| 5 | 3–6 mm | 09 0314 00 05 | 09 0314 09 05 |
| 5 (Stereo) | 3–6 mm | 09 0318 00 05 | 09 0318 09 05 |
| 6 DIN | 3–6 mm | 09 0322 00 06 | 09 0322 09 06 |
| 7 | 3–6 mm | 09 0326 00 07 | 09 0326 09 07 |
| 7 DIN | 3–6 mm | 09 1582 00 07 | – |
| 8 DIN | 3–6 mm | 09 0572 00 08 | 09 0572 09 08 |
| 12 | 3–6 mm | – | 09 0330 00 12 |
| 14 | 3–6 mm | – | 09 0342 00 14 |
| 16 | 3–6 mm | – | 09 0338 00 16 |
| 19 | 3–6 mm | – | 09 0344 00 19 |
| 24 | 3–6 mm | – | – |

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|------------------------|--------------------------------|------------------------------|
| 2 | 6–7,8 mm | 09 0302 02 02 | 09 0302 92 02 |
| 3 DIN | 6–7,8 mm | 09 0306 02 03 | 09 0306 92 03 |
| 4 | 6–7,8 mm | 09 0310 02 04 | 09 0310 92 04 |
| 5 | 6–7,8 mm | 09 0314 02 05 | 09 0314 92 05 |
| 5 (Stereo) | 6–7,8 mm | 09 0318 02 05 | 09 0318 92 05 |
| 6 DIN | 6–7,8 mm | 09 0322 02 06 | 09 0322 92 06 |
| 7 | 6–7,8 mm | 09 0326 02 07 | 09 0326 92 07 |
| 7 DIN | 6–7,8 mm | – | – |
| 8 DIN | 6–7,8 mm | 09 0572 02 08 | 09 0572 92 08 |
| 12 | 6–7,8 mm | – | 09 0330 02 12 |
| 14 | 6–7,8 mm | – | 09 0342 02 14 |
| 16 | 6–7,8 mm | – | 09 0338 02 16 |
| 19 | 6–7,8 mm | – | 09 0344 02 19 |
| 24 | 6–7,8 mm | – | 09 0346 02 24 |

技术参数 / Specifications

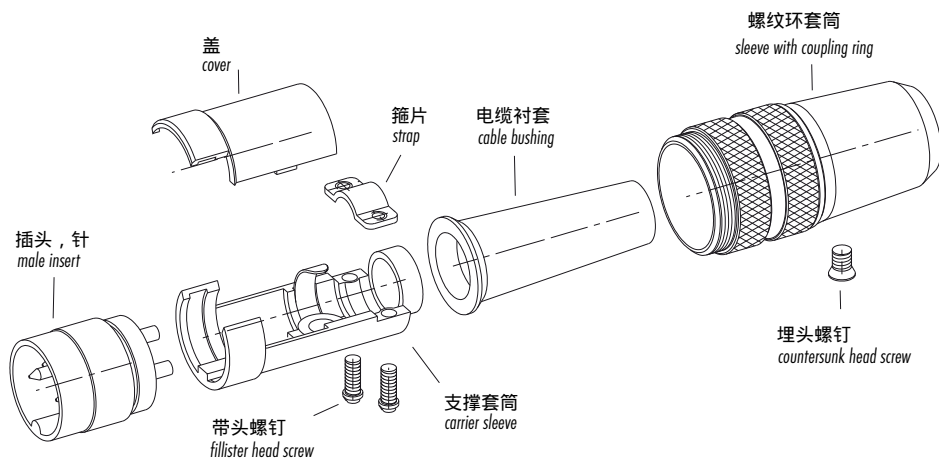
| 芯数 | 2 | 3 DIN | 4 | 5 | 5 (Stereo) | 6 DIN | 7 | 7 DIN | 8 DIN | 12 | 14 | 16 | 19 | 24 | Number of contacts |
|--------------|---|-------|-----|-------------|------------|--------------|---|--------------|--------------|-------------|---|-----|---------------------------|----|--------------------------|
| 锁紧方式 | M16 螺母锁紧 / screw | | | | | | | | | | | | | | Connector locking system |
| 接线方式 | 焊接 / solder | | | | | | | | | | | | | | Termination |
| 导线截面 | max. 0,75 mm ² (max. AWG 20) | | | | | | | | | | max. 0,25 mm ² (max. AWG 24) | | 0,14 mm ² (26) | | Wire gauge |
| 电缆出口直径 | 4–6 mm (PG 7), 6–8 mm (PG 9) | | | | | | | | | | | | | | Cable outlet |
| 防护等级 | IP40 | | | | | | | | | | | | | | Degree of protection |
| 插拔周期 | >500 插拔周期 / > 500 mating cycles | | | | | | | | | | | | | | Mechanical operation |
| 最高工作温度 | + 85 °C | | | | | | | | | | | | | | Upper temperature |
| 最低工作温度 | – 40 °C | | | | | | | | | | | | | | Lower temperature |
| 额定电压 | 250 V (32 V) | | | 60 V (32 V) | | 250 V (32 V) | | 125 V (32 V) | | 60 V (32 V) | | | | | Rated voltage |
| 额定冲击电压 | 1500 V | | | 500 V | | 1500 V | | 800 V | | 500 V | | | | | Rated impulse voltage |
| 污染等级 | 1 (2) ¹⁾ | | | | | | | | | | | | | | Pollution degree |
| 过电压等级 | I (II) ¹⁾ | | | | | | | | | | | | | | Overvoltage categorie |
| 绝缘等级 | III | | | | | | | | | | | | | | Material group |
| 额定电流 (40 °C) | 7 A | | 6 A | | | 5 A | | | 3 A | | | 1 A | | | Rated current (40 °C) |
| 触点电阻 | ≤ 5 mΩ / ≤ 3 mΩ | | | | | | | | | | | | | | Contact resistance |
| 插针材料 | CuSn(青铜 / bronze) | | | | | | | | | | | | | | Material of contact |
| 插针表面材料 | Ag(银 / silver) / Au(金 / gold) | | | | | | | | Au(金 / gold) | | | | | | Contact plating |
| 插头主体材料 | PBT | | | | | | | | | | | | | | Material of contact body |
| 外壳材料 | PA | | | | | | | | | | | | | | Material of housing |

¹⁾当污染等级为2级，过电压级别为 II 时，额定电压降至32V。¹⁾In case of pollution degree 2, overvoltage category II rated voltage is reduced to 32 V.

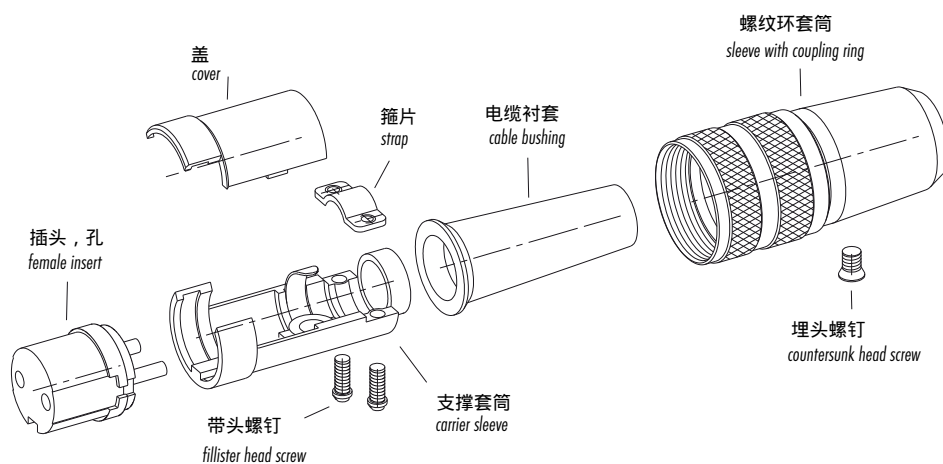
部件图

Component part drawing

电缆连接器，针 Male cable connector



电缆连接器，孔 Female cable connector





小型连接器 682系列

Miniature 682 Series

M16 IP40

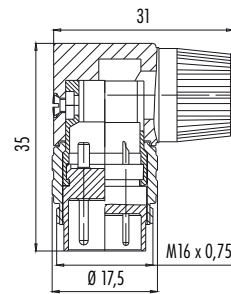
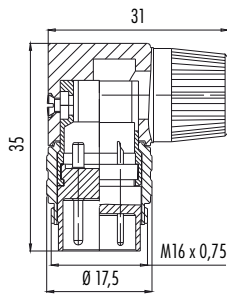
弯角连接器，针，塑料系列
Male angled connector, plastic version

弯角连接器，针，塑料系列
Male angled connector, plastic version

图例 / Figure



尺寸图 / Drawing



订货信息 / Order Data

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|------------------------|--------------------------------|------------------------------|
| 2 | 4-6 mm | 09 0133 70 02 | 09 0133 79 02 |
| 3 DIN | 4-6 mm | 09 0135 70 03 | 09 0135 79 03 |
| 4 | 4-6 mm | 09 0137 70 04 | 09 0137 79 04 |
| 5 | 4-6 mm | 09 0139 70 05 | 09 0139 79 05 |
| 5 (Stereo) | 4-6 mm | 09 0141 70 05 | 09 0141 79 05 |
| 6 DIN | 4-6 mm | 09 0143 70 06 | 09 0143 79 06 |
| 7 | 4-6 mm | 09 0145 70 07 | 09 0145 79 07 |
| 7 DIN | 4-6 mm | 09 0177 70 07 | - |
| 8 DIN | 4-6 mm | 09 0153 70 08 | 09 0153 79 08 |
| 12 | 4-6 mm | - | 09 0147 70 12 |
| 14 | 4-6 mm | - | 09 0161 70 14 |
| 16 | 4-6 mm | - | 09 0185 70 16 |
| 19 | 4-6 mm | - | 09 0163 70 19 |
| 24 | 4-6 mm | - | - |

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|------------------------|--------------------------------|------------------------------|
| 2 | 6-8 mm | 09 0133 72 02 | 09 0133 78 02 |
| 3 DIN | 6-8 mm | 09 0135 72 03 | 09 0135 78 03 |
| 4 | 6-8 mm | 09 0137 72 04 | 09 0137 78 04 |
| 5 | 6-8 mm | 09 0139 72 05 | 09 0139 78 05 |
| 5 (Stereo) | 6-8 mm | 09 0141 72 05 | 09 0141 78 05 |
| 6 DIN | 6-8 mm | 09 0143 72 06 | 09 0143 78 06 |
| 7 | 6-8 mm | 09 0145 72 07 | 09 0145 78 07 |
| 7 DIN | 6-8 mm | - | - |
| 8 DIN | 6-8 mm | 09 0153 72 08 | 09 0153 78 08 |
| 12 | 6-8 mm | - | 09 0147 72 12 |
| 14 | 6-8 mm | - | 09 0161 72 14 |
| 16 | 6-8 mm | - | 09 0185 72 16 |
| 19 | 6-8 mm | - | 09 0163 72 19 |
| 24 | 6-8 mm | - | 09 0165 72 24 |

技术参数 / Specifications

| 芯数 | 2 | 3 DIN | 4 | 5 | 5 (Stereo) | 6 DIN | 7 | 7 DIN | 8 DIN | 12 | 14 | 16 | 19 | 24 | Number of contacts |
|--------------|---|-------|-------------|---|--------------|-------|--------------|-------|-------------|----|---|----|---------------------------|----|--------------------------|
| 锁紧方式 | M16 螺母锁紧 / screw | | | | | | | | | | | | | | Connector locking system |
| 接线方式 | 焊接 / solder | | | | | | | | | | | | | | Termination |
| 导线截面 | max. 0,75 mm ² (max. AWG 20) | | | | | | | | | | max. 0,25 mm ² (max. AWG 24) | | 0,14 mm ² (26) | | Wire gauge |
| 电缆出口直径 | 4-6 mm (PG 7), 6-8 mm (PG 9) | | | | | | | | | | | | | | Cable outlet |
| 防护等级 | IP40 | | | | | | | | | | | | | | Degree of protection |
| 插拔周期 | >500 插拔周期 / > 500 mating cycles | | | | | | | | | | | | | | Mechanical operation |
| 最高工作温度 | + 85 °C | | | | | | | | | | | | | | Upper temperature |
| 最低工作温度 | - 40 °C | | | | | | | | | | | | | | Lower temperature |
| 额定电压 | 250 V (32 V) | | 60 V (32 V) | | 250 V (32 V) | | 125 V (32 V) | | 60 V (32 V) | | | | | | Rated voltage |
| 额定冲击电压 | 1500 V | | 500 V | | 1500 V | | 800 V | | 500 V | | | | | | Rated impulse voltage |
| 污染等级 | 1 (2) ¹⁾ | | | | | | | | | | | | | | Pollution degree |
| 过电压等级 | I (II) ¹⁾ | | | | | | | | | | | | | | Overvoltage categorie |
| 绝缘等级 | III | | | | | | | | | | | | | | Material group |
| 额定电流 (40 °C) | 7 A | | 6 A | | 5 A | | 3 A | | | | | | 1 A | | Rated current (40 °C) |
| 触点电阻 | ≤ 5 mΩ / ≤ 3 mΩ | | | | | | | | | | | | | | Contact resistance |
| 插针材料 | CuZn(黄铜)/brass | | | | | | | | | | | | | | Material of contact |
| 插针表面材料 | Ag(银/silver)/Au(金/gold) | | | | | | Au(金/gold) | | | | | | | | Contact plating |
| 插头主体材料 | PBT | | | | | | | | | | | | | | Material of contact body |
| 外壳材料 | PA | | | | | | | | | | | | | | Material of housing |

小型连接器682系列

Miniature 682 Series

M16 IP40

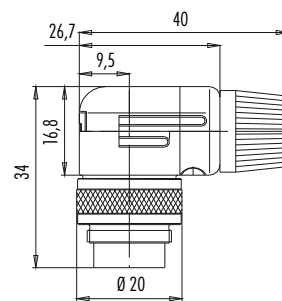
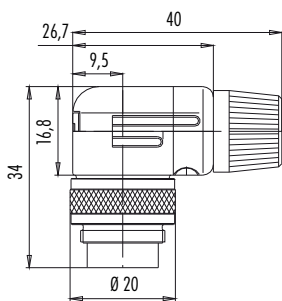
弯角连接器, 针, 金属系列, 屏蔽
Male angled connector, metal version, shieldable

弯角连接器, 针, 金属系列, 屏蔽
Male angled connector, metal version, shieldable

图例 / Figure



尺寸图 / Drawing



订货信息 / Order Data

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|------------------------|--------------------------------|------------------------------|
| 2 | 4-6 mm | 99 0133 10 02 | - |
| 3 DIN | 4-6 mm | 99 0135 10 03 | - |
| 4 | 4-6 mm | 99 0137 10 04 | - |
| 5 | 4-6 mm | 99 0139 10 05 | - |
| 5 (Stereo) | 4-6 mm | 99 0141 10 05 | - |
| 6 DIN | 4-6 mm | 99 0143 10 06 | - |
| 7 | 4-6 mm | 99 0145 10 07 | - |
| 7 DIN | 4-6 mm | 99 0177 10 07 | - |
| 8 DIN | 4-6 mm | 99 0153 10 08 | - |
| 12 | 4-6 mm | - | 99 0147 10 12 |
| 14 | 4-6 mm | - | 99 0161 10 14 |
| 19 | 4-6 mm | - | 99 0163 10 19 |
| 24 | 4-6 mm | - | - |

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|------------------------|--------------------------------|------------------------------|
| 2 | 6-8 mm | 99 0133 12 02 | - |
| 3 DIN | 6-8 mm | 99 0135 12 03 | - |
| 4 | 6-8 mm | 99 0137 12 04 | - |
| 5 | 6-8 mm | 99 0139 12 05 | - |
| 5 (Stereo) | 6-8 mm | 99 0141 12 05 | - |
| 6 DIN | 6-8 mm | 99 0143 12 06 | - |
| 7 | 6-8 mm | 99 0145 12 07 | - |
| 7 DIN | 6-8 mm | - | - |
| 8 DIN | 6-8 mm | 99 0153 12 08 | - |
| 12 | 6-8 mm | - | 99 0147 12 12 |
| 14 | 6-8 mm | - | 99 0161 12 14 |
| 19 | 6-8 mm | - | 99 0163 12 19 |
| 24 | 6-8 mm | - | 99 0165 12 24 |

技术参数 / Specifications

| 芯数 | 2 | 3 DIN | 4 | 5 | 5 (Stereo) | 6 DIN | 7 | 7 DIN | 8 DIN | 12 | 14 | 19 | 24 | Number of contacts | |
|--------------|---|-------|-----|-------------|------------|--------------|---|--------------|-------|---|-----|---------------------------|----|--------------------------|--------------------------|
| 锁紧方式 | M16 螺母锁紧 / screw | | | | | | | | | | | | | Connector locking system | |
| 接线方式 | 焊接 / solder | | | | | | | | | | | | | Termination | |
| 导线截面 | max. 0,75 mm ² (max. AWG 20) | | | | | | | | | max. 0,25 mm ² (max. AWG 24) | | 0,14 mm ² (26) | | Wire gauge | |
| 电缆出口直径 | 4-6 mm (PG 7), 6-8 mm (PG 9) | | | | | | | | | | | | | Cable outlet | |
| 防护等级 | IP40 | | | | | | | | | | | | | Degree of protection | |
| 插拔周期 | >500 插拔周期 / > 500 mating cycles | | | | | | | | | | | | | Mechanical operation | |
| 最高工作温度 | + 85 °C | | | | | | | | | | | | | Upper temperature | |
| 最低工作温度 | - 40 °C | | | | | | | | | | | | | Lower temperature | |
| 额定电压 | 250 V (32 V) | | | 60 V (32 V) | | 250 V (32 V) | | 125 V (32 V) | | 60 V (32 V) | | | | Rated voltage | |
| 额定冲击电压 | 1500 V | | | 500 V | | 1500 V | | 800 V | | 500 V | | | | Rated impulse voltage | |
| 污染等级 | 1 (2) ¹⁾ | | | | | | | | | | | | | Pollution degree | |
| 过电压等级 | I (II) ¹⁾ | | | | | | | | | | | | | Overvoltage categorie | |
| 绝缘等级 | III | | | | | | | | | | | | | Material group | |
| 额定电流 (40 °C) | 7 A | | 6 A | | | 5 A | | | 3 A | | 1 A | | | Rated current (40 °C) | |
| 触点电阻 | ≤ 5 mΩ / ≤ 3 mΩ | | | | | | | | | | | | | Contact resistance | |
| 插针材料 | CuZn (黄铜 / brass) | | | | | | | | | | | | | Material of contact | |
| 插针表面材料 | Ag (银 / silver) / Au (金 / gold) | | | | | | | | | Au (金 / gold) | | | | Contact plating | |
| 插头主体材料 | PBT | | | | | | | | PA | | | | | | Material of contact body |
| 外壳材料 | PA | | | | | | | | | | | | | Material of housing | |

¹⁾当污染等级为2级, 过电压级别为 II 时, 额定电压降至32V。¹⁾In case of pollution degree 2, overvoltage category II rated voltage is reduced to 32 V.

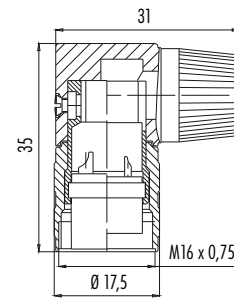
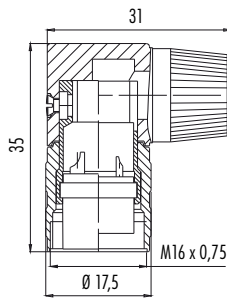
弯角连接器，孔，塑料系列
Female angled connector, plastic version

弯角连接器，孔，塑料系列
Female angled connector, plastic version

图例 / Figure



尺寸图 / Drawing



订货信息 / Order Data

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|------------------------|--------------------------------|------------------------------|
| 2 | 4-6 mm | 09 0134 70 02 | 09 0134 79 02 |
| 3 DIN | 4-6 mm | 09 0136 70 03 | 09 0136 79 03 |
| 4 | 4-6 mm | 09 0138 70 04 | 09 0138 79 04 |
| 5 | 4-6 mm | 09 0140 70 05 | 09 0140 79 05 |
| 5 (Stereo) | 4-6 mm | 09 0142 70 05 | 09 0142 79 05 |
| 6 DIN | 4-6 mm | 09 0144 70 06 | 09 0144 79 06 |
| 7 | 4-6 mm | 09 0146 70 07 | 09 0146 79 07 |
| 7 DIN | 4-6 mm | 09 0178 70 07 | - |
| 8 DIN | 4-6 mm | 09 0154 70 08 | 09 0154 79 08 |
| 12 | 4-6 mm | - | 09 0148 70 12 |
| 14 | 4-6 mm | - | 09 0162 70 14 |
| 16 | 4-6 mm | - | 09 0186 70 16 |
| 19 | 4-6 mm | - | 09 0164 70 19 |
| 24 | 4-6 mm | - | - |

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|------------------------|--------------------------------|------------------------------|
| 2 | 6-8 mm | 09 0134 72 02 | - |
| 3 DIN | 6-8 mm | 09 0136 72 03 | 09 0136 78 03 |
| 4 | 6-8 mm | 09 0138 72 04 | 09 0138 78 04 |
| 5 | 6-8 mm | 09 0140 72 05 | 09 0140 78 05 |
| 5 (Stereo) | 6-8 mm | 09 0142 72 05 | - |
| 6 DIN | 6-8 mm | 09 0144 72 06 | 09 0144 78 06 |
| 7 | 6-8 mm | 09 0146 72 07 | 09 0146 78 07 |
| 7 DIN | 6-8 mm | - | - |
| 8 DIN | 6-8 mm | 09 0154 72 08 | 09 0154 78 08 |
| 12 | 6-8 mm | - | 09 0148 72 12 |
| 14 | 6-8 mm | - | 09 0162 72 14 |
| 16 | 6-8 mm | - | 09 0186 72 16 |
| 19 | 6-8 mm | - | 09 0164 72 19 |
| 24 | 6-8 mm | - | 09 0166 72 24 |

技术参数 / Specifications

| 芯数 | 2 | 3 DIN | 4 | 5 | 5 (Stereo) | 6 DIN | 7 | 7 DIN | 8 DIN | 12 | 14 | 16 | 19 | 24 | Number of contacts |
|--------------|---|-------|-----|---|-------------|-------|--------------|-------|--------------|----|---|----|-----|---------------------------|--------------------------|
| 锁紧方式 | M16 螺母锁紧 / screw | | | | | | | | | | | | | | Connector locking system |
| 接线方式 | 焊接 / solder | | | | | | | | | | | | | | Termination |
| 导线截面 | max. 0,75 mm ² (max. AWG 20) | | | | | | | | | | max. 0,25 mm ² (max. AWG 24) | | | 0,14 mm ² (26) | Wire gauge |
| 电缆出口直径 | 4-6 mm (PG 7), 6-8 mm (PG 9) | | | | | | | | | | | | | | Cable outlet |
| 防护等级 | IP40 | | | | | | | | | | | | | | Degree of protection |
| 插拔周期 | >500 插拔周期 / > 500 mating cycles | | | | | | | | | | | | | | Mechanical operation |
| 最高工作温度 | + 85 °C | | | | | | | | | | | | | | Upper temperature |
| 最低工作温度 | - 40 °C | | | | | | | | | | | | | | Lower temperature |
| 额定电压 | 250 V (32 V) | | | | 60 V (32 V) | | 250 V (32 V) | | 125 V (32 V) | | 60 V (32 V) | | | | Rated voltage |
| 额定冲击电压 | 1500 V | | | | 500 V | | 1500 V | | 800 V | | 500 V | | | | Rated impulse voltage |
| 污染等级 | 1 (2) ¹⁾ | | | | | | | | | | | | | | Pollution degree |
| 过电压等级 | I (II) ¹⁾ | | | | | | | | | | | | | | Overvoltage categorie |
| 绝缘等级 | III | | | | | | | | | | | | | | Material group |
| 额定电流 (40 °C) | 7 A | | 6 A | | | | 5 A | | | | 3 A | | 1 A | | Rated current (40 °C) |
| 触点电阻 | ≤ 5 mΩ / ≤ 3 mΩ | | | | | | | | | | | | | | Contact resistance |
| 插针材料 | CuSn(青铜/bronze) | | | | | | | | | | | | | | Material of contact |
| 插针表面材料 | Ag(银/silver)/Au(金/gold) | | | | | | | | | | Au(金/gold) | | | | Contact plating |
| 插头主体材料 | PBT | | | | | | | | | | | | | | Material of contact body |
| 外壳材料 | PA | | | | | | | | | | | | | | Material of housing |

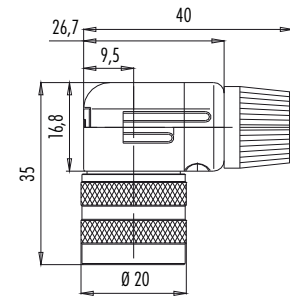
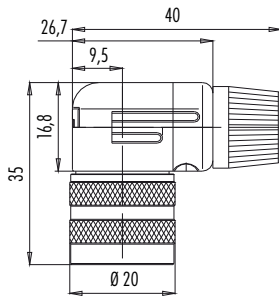
弯角连接器，孔，金属系列，屏蔽
Female angled connector, metal version, shieldable

弯角连接器，孔，金属系列，屏蔽
Female angled connector, metal version, shieldable

图例 / Figure



尺寸图 / Drawing



订货信息 / Order Data

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|------------------------|--------------------------------|------------------------------|
| 2 | 4-6 mm | 99 0134 10 02 | - |
| 3 DIN | 4-6 mm | 99 0136 10 03 | - |
| 4 | 4-6 mm | 99 0138 10 04 | - |
| 5 | 4-6 mm | 99 0140 10 05 | - |
| 5 (Stereo) | 4-6 mm | 99 0142 10 05 | - |
| 6 DIN | 4-6 mm | 99 0144 10 06 | - |
| 7 | 4-6 mm | 99 0146 10 07 | - |
| 7 DIN | 4-6 mm | - | - |
| 8 DIN | 4-6 mm | 99 0154 10 08 | - |
| 12 | 4-6 mm | - | 99 0148 10 12 |
| 14 | 4-6 mm | - | 99 0162 10 14 |
| 19 | 4-6 mm | - | 99 0164 10 19 |
| 24 | 4-6 mm | - | - |

| 芯数 Contacts | 电缆出口直径 Cable outlet | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|------------------------|--------------------------------|------------------------------|
| 2 | 6-8 mm | 99 0134 12 02 | - |
| 3 DIN | 6-8 mm | 99 0136 12 03 | - |
| 4 | 6-8 mm | 99 0138 12 04 | - |
| 5 | 6-8 mm | 99 0140 12 05 | - |
| 5 (Stereo) | 6-8 mm | 99 0142 12 05 | - |
| 6 DIN | 6-8 mm | 99 0144 12 06 | - |
| 7 | 6-8 mm | 99 0146 12 07 | - |
| 7 DIN | 6-8 mm | - | - |
| 8 DIN | 6-8 mm | 99 0154 12 08 | - |
| 12 | 6-8 mm | - | 99 0148 12 12 |
| 14 | 6-8 mm | - | 99 0162 12 14 |
| 19 | 6-8 mm | - | 99 0164 12 19 |
| 24 | 6-8 mm | - | 99 0166 12 24 |

技术参数 / Specifications

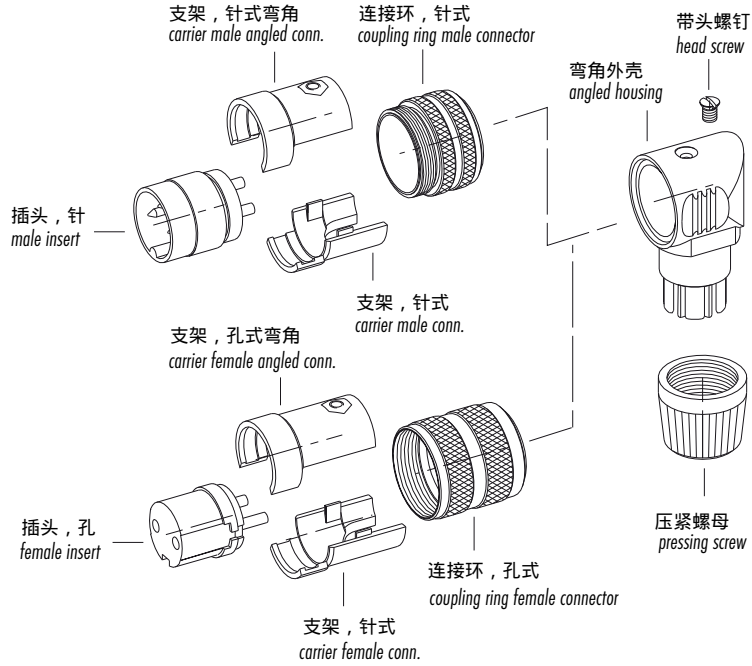
| 芯数 | 2 | 3 DIN | 4 | 5 | 5 (Stereo) | 6 DIN | 7 | 7 DIN | 8 DIN | 12 | 14 | 19 | 24 | Number of contacts | |
|--------------|---|-------|-----|-------------|------------|--------------|---|--------------|-------|---------------|---|----|---------------------------|--------------------------|--------------------|
| 锁紧方式 | M16 螺母锁紧 / screw | | | | | | | | | | | | | Connector locking system | |
| 接线方式 | 焊接 / solder | | | | | | | | | | | | | Termination | |
| 导线截面 | max. 0,75 mm ² (max. AWG 20) | | | | | | | | | | max. 0,25 mm ² (max. AWG 24) | | 0,14 mm ² (26) | Wire gauge | |
| 电缆出口直径 | 4-6 mm (PG 7), 6-8 mm (PG 9) | | | | | | | | | | | | | Cable outlet | |
| 防护等级 | IP40 | | | | | | | | | | | | | Degree of protection | |
| 插拔周期 | >500 插拔周期 / > 500 mating cycles | | | | | | | | | | | | | Mechanical operation | |
| 最高工作温度 | + 85 °C | | | | | | | | | | | | | Upper temperature | |
| 最低工作温度 | - 40 °C | | | | | | | | | | | | | Lower temperature | |
| 额定电压 | 250 V (32 V) | | | 60 V (32 V) | | 250 V (32 V) | | 125 V (32 V) | | 60 V (32 V) | | | | Rated voltage | |
| 额定冲击电压 | 1500 V | | | 500 V | | 1500 V | | 800 V | | 500 V | | | | Rated impulse voltage | |
| 污染等级 | 1 (2) ¹⁾ | | | | | | | | | | | | | Pollution degree | |
| 过电压等级 | I (II) ¹⁾ | | | | | | | | | | | | | Overvoltage categorie | |
| 绝缘等级 | III | | | | | | | | | | | | | Material group | |
| 额定电流 (40 °C) | 7 A | | 6 A | | | 5 A | | | 3 A | | 1 A | | | Rated current (40 °C) | |
| 触点电阻 | ≤ 5 mΩ / ≤ 3 mΩ | | | | | | | | | | ≤ 3 mΩ | | | | Contact resistance |
| 插针材料 | CuSn (青铜 / bronze) | | | | | | | | | | | | | Material of contact | |
| 插针表面材料 | Ag (银 / silver) / Au (金 / gold) | | | | | | | | | Au (金 / gold) | | | | Contact plating | |
| 插头主体材料 | PBT | | | | | | | PA | | | | | | Material of contact body | |
| 外壳材料 | PA | | | | | | | | | | | | | Material of housing | |

¹⁾当污染等级为2级，过电压级别为 II 时，额定电压降至32V。¹⁾In case of pollution degree 2, overvoltage category II rated voltage is reduced to 32 V.

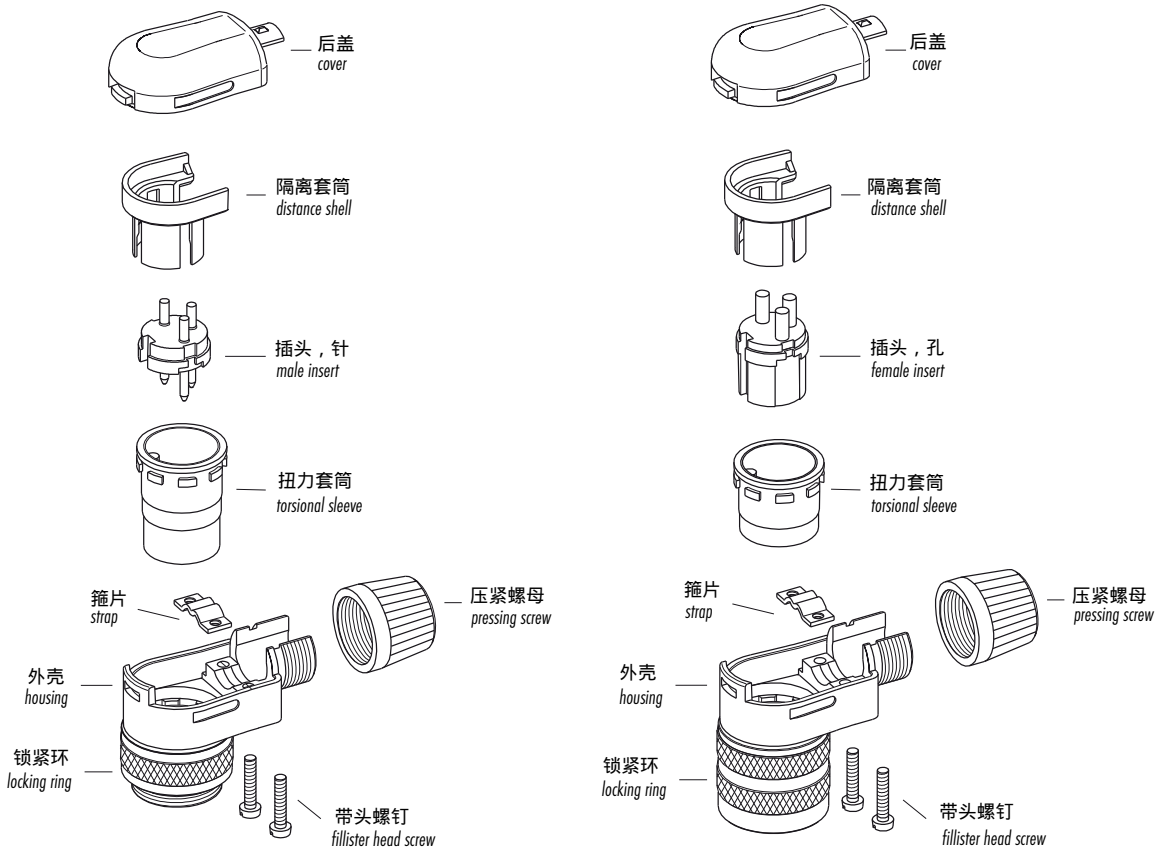
部件图

Component part drawing

弯角连接器，塑料外壳系列
Angled connectors, plastic version



弯角连接器，金属系列
Angled connectors, metal version





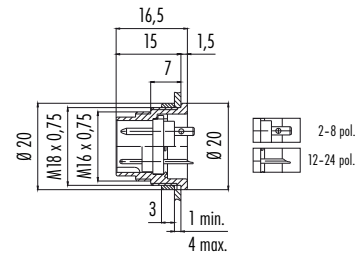
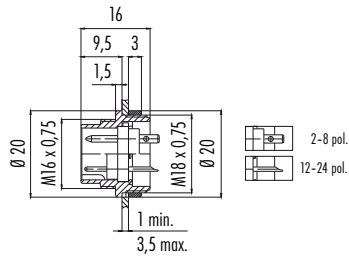
面板安装连接器，针，焊接
Male panel mount connector, solder

面板安装连接器，针，焊接，板前固定
Male panel mount connector, solder, front fastened

图例 / Figure



尺寸图 / Drawing



订货信息 / Order Data

| 芯数 Contacts | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|--------------------------------|------------------------------|
| 2 | 09 0303 00 02 | 09 0303 09 02 |
| 3 DIN | 09 0307 00 03 | 09 0307 09 03 |
| 4 | 09 0311 00 04 | 09 0311 09 04 |
| 5 | 09 0315 00 05 | 09 0315 09 05 |
| 5 (Stereo) | 09 0319 00 05 | 09 0319 09 05 |
| 6 DIN | 09 0323 00 06 | 09 0323 09 06 |
| 7 | 09 0327 00 07 | 09 0327 09 07 |
| 7 DIN | 09 1583 00 07 | - |
| 8 DIN | 09 0473 00 08 | 09 0473 09 08 |
| 12 | - | 09 0331 00 12 |
| 14 | - | 09 0053 00 14 |
| 16 | - | 09 0339 00 16 |
| 19 | - | 09 0335 00 19 |
| 24 | - | 09 0197 00 24 |

| 芯数 Contacts | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|--------------------------------|------------------------------|
| 2 | 09 0303 80 02 | 09 0303 89 02 |
| 3 DIN | 09 0307 80 03 | 09 0307 89 03 |
| 4 | 09 0311 80 04 | 09 0311 89 04 |
| 5 | 09 0315 80 05 | 09 0315 89 05 |
| 5 (Stereo) | 09 0319 80 05 | - |
| 6 DIN | 09 0323 80 06 | 09 0323 89 06 |
| 7 | 09 0327 80 07 | 09 0327 89 07 |
| 7 DIN | - | - |
| 8 DIN | 09 0473 80 08 | 09 0473 89 08 |
| 12 | - | 09 0331 80 12 |
| 14 | - | 09 0053 80 14 |
| 16 | - | 09 0339 80 16 |
| 19 | - | 09 0335 80 19 |
| 24 | - | 09 0197 80 24 |

技术参数 / Specifications

| 芯数 | 2 | 3 DIN | 4 | 5 | 5 (Stereo) | 6 DIN | 7 | 7 DIN | 8 DIN | 12 | 14 | 16 | 19 | 24 | Number of contacts |
|--------------|---|-------|-----|---|-------------|-------|--------------|-------|---------------|----|---|----|---------------------------|----|--------------------------|
| 锁紧方式 | M16 螺母锁紧 / screw | | | | | | | | | | | | | | Connector locking system |
| 接线方式 | 焊接 / solder | | | | | | | | | | | | | | Termination |
| 导线截面 | max. 0,75 mm ² (max. AWG 20) | | | | | | | | | | max. 0,25 mm ² (max. AWG 24) | | 0,14 mm ² (26) | | Wire gauge |
| 电缆出口直径 | — | | | | | | | | | | | | | | Cable outlet |
| 防护等级 | IP40 | | | | | | | | | | | | | | Degree of protection |
| 插拔周期 | >500 插拔周期 / > 500 mating cycles | | | | | | | | | | | | | | Mechanical operation |
| 最高工作温度 | + 85 °C | | | | | | | | | | | | | | Upper temperature |
| 最低工作温度 | - 40 °C | | | | | | | | | | | | | | Lower temperature |
| 额定电压 | 250 V (32 V) | | | | 60 V (32 V) | | 250 V (32 V) | | 125 V (32 V) | | 60 V (32 V) | | | | Rated voltage |
| 额定冲击电压 | 1500 V | | | | 500 V | | 1500 V | | 800 V | | 500 V | | | | Rated impulse voltage |
| 污染等级 | 1 (2) ¹⁾ | | | | | | | | | | | | | | Pollution degree |
| 过电压等级 | I (II) ¹⁾ | | | | | | | | | | | | | | Overvoltage categorie |
| 绝缘等级 | III | | | | | | | | | | | | | | Material group |
| 额定电流 (40 °C) | 7 A | | 6 A | | | | 5 A | | | | 3 A | | 1 A | | Rated current (40 °C) |
| 触点电阻 | ≤ 5 mΩ / ≤ 3 mΩ | | | | | | | | | | | | | | Contact resistance |
| 插针材料 | CuZn(黄铜 / brass) | | | | | | | | | | | | | | Material of contact |
| 插针表面材料 | Ag(银 / silver) / Au(金 / gold) | | | | | | | | Au(金 / gold) | | | | | | Contact plating |
| 插头主体材料 | PBT | | | | | | | | | | | | | | Material of contact body |
| 外壳材料 | 铸锌镀镍 / zinc diecasting nickel plated | | | | | | | | | | | | | | Material of housing |

小型连接器 581.680.682 系列

Miniature 581 · 680 · 682 Series

M16 IP40

面板安装连接器，针，浸焊，板前固定
Male panel mount connector, dip solder, front fastened

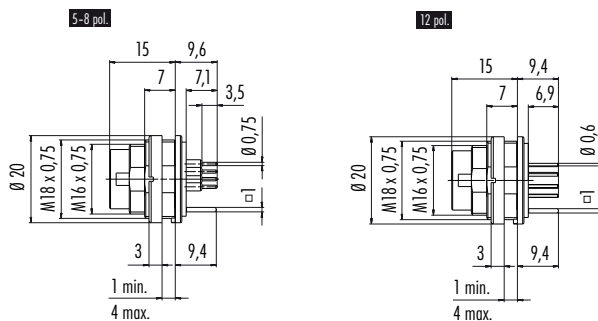
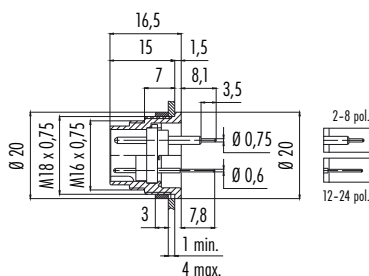
面板安装连接器，针，浸焊，板前固定，带屏蔽连接
Male panel mount connector, dip solder, front fastened, with shield connection

图例 / Figure



钻孔图见207页
Drilling schemes see page 207

尺寸图 / Drawing



订货信息 / Order Data

| 芯数 Contacts | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|--------------------------------|------------------------------|
| 2 | 09 0303 90 02 | 09 0303 99 02 |
| 3 DIN | 09 0307 90 03 | 09 0307 99 03 |
| 4 | 09 0311 90 04 | 09 0311 99 04 |
| 5 | 09 0315 90 05 | 09 0315 99 05 |
| 5 (Stereo) | 09 0319 90 05 | 09 0319 99 05 |
| 6 DIN | 09 0323 90 06 | 09 0323 99 06 |
| 7 | 09 0327 90 07 | 09 0327 99 07 |
| 7 DIN | — | — |
| 8 DIN | 09 0473 90 08 | — |
| 12 | — | 09 0331 90 12 |
| 14 | — | 09 0053 90 14 |
| 16 | — | 09 0339 90 16 |
| 19 | — | 09 0335 90 19 |
| 24 | — | 09 0197 90 24 |

| 芯数 Contacts | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|--------------------------------|------------------------------|
| 5 | 09 0315 290 05 | — |
| 6 DIN | 09 0323 290 06 | — |
| 8 DIN | 09 0473 290 08 | — |
| 12 | — | 09 0331 290 12 |

技术参数 / Specifications

| 芯数 | 2 | 3 DIN | 4 | 5 | 5 (Stereo) | 6 DIN | 7 | 7 DIN | 8 DIN | 12 | 14 | 16 | 19 | 24 | Number of contacts | |
|--------------|--------------------------------------|-------|-----|-------------|------------|-------|--------------|------------------------------------|-------|--------------|-----|----|-------------|-----|--------------------------|-----------------------|
| 锁紧方式 | M16 螺母锁紧 / screw | | | | | | | | | | | | | | Connector locking system | |
| 接线方式 | 浸焊 / dip solder | | | | | | | | | | | | | | Termination | |
| 导线截面 | — | | | | | | | | | | | | | | Wire gauge | |
| 电缆出口直径 | — | | | | | | | | | | | | | | Cable outlet | |
| 防护等级 | IP40 | | | | | | | | | | | | | | Degree of protection | |
| 插拔周期 | >500 插拔周期 / > 500 mating cycles | | | | | | | | | | | | | | Mechanical operation | |
| 最高工作温度 | + 85 °C | | | | | | | | | | | | | | Upper temperature | |
| 最低工作温度 | - 40 °C | | | | | | | | | | | | | | Lower temperature | |
| 额定电压 | 250 V (32 V) | | | 60 V (32 V) | | | 250 V (32 V) | | | 125 V (32 V) | | | 60 V (32 V) | | | Rated voltage |
| 额定冲击电压 | 1500 V | | | 500 V | | | 1500 V | | | 800 V | | | 500 V | | | Rated impulse voltage |
| 污染等级 | 1 (2) ¹⁾ | | | | | | | | | | | | | | Pollution degree | |
| 过电压等级 | I (II) ¹⁾ | | | | | | | | | | | | | | Overvoltage categorie | |
| 绝缘等级 | III | | | | | | | | | | | | | | Material group | |
| 额定电流 (40 °C) | 7 A | | 6 A | | | | 5 A | | | | 3 A | | | 1 A | | Rated current (40 °C) |
| 触点电阻 | ≤ 5 mΩ / ≤ 3 mΩ | | | | | | | | | | | | | | Contact resistance | |
| 插针材料 | CuZn (黄铜 / brass) | | | | | | | | | | | | | | Material of contact | |
| 插针表面材料 | Ag (银 / silver) / Au (金 / gold) | | | | | | | | | | | | | | Contact plating | |
| 插头主体材料 | PBT | | | | | | | | | | | | | | Material of contact body | |
| 外壳材料 | 铸锌镀镍 / zinc diecasting nickel plated | | | | | | | CuZn (黄铜镀镍 / brass, nickel plated) | | | | | | | Material of housing | |

¹⁾当污染等级为2级，过电压级别为 II 时，额定电压降至32V。¹⁾In case of pollution degree 2, overvoltage category II rated voltage is reduced to 32 V.

面板安装连接器，针，压接
Male panel mount connector, crimp

面板安装连接器，针，压接，板前固定
Male panel mount connector, crimp, front fastened

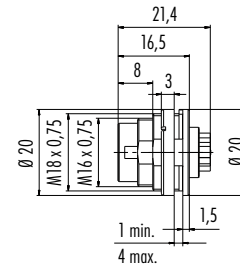
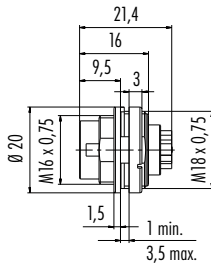
图例 / Figure



压接插针见202页
Crimp and ribbon contacts see page 202

压接插针见202页
Crimp and ribbon contacts see page 202

尺寸图 / Drawing



订货信息 / Order Data

| 芯数 Contacts | 订货号 Ordering-No. |
|----------------|---------------------|
| 4 | 09 0311 700 04 |
| 5 | 09 0315 700 05 |
| 6 DIN | 09 0323 700 06 |
| 7 | 09 0327 700 07 |
| 8 DIN | 09 0473 700 08 |

| 芯数 Contacts | 订货号 Ordering-No. |
|----------------|---------------------|
| 4 | 09 0311 780 04 |
| 5 | 09 0315 780 05 |
| 6 DIN | 09 0323 780 06 |
| 7 | 09 0327 780 07 |
| 8 DIN | 09 0473 780 08 |

技术参数 / Specifications

| 芯数 | 4 | 5 | 6 DIN | 7 | 8 DIN | Number of contacts |
|--------------|---|---|-------|--------------|-------------|--------------------------|
| 锁紧方式 | M16 螺母锁紧 / screw | | | | | Connector locking system |
| 接线方式 | 压接 / crimp | | | | | Termination |
| 导线截面 | 4-6 pol. 0,14 mm ² -1,0 mm ² (AWG 26-AWG 18), 7+8 pol. 0,14 mm ² -0,75 mm ² (AWG 26-AWG 20) | | | | | Wire gauge |
| 电缆出口直径 | — | | | | | Cable outlet |
| 防护等级 | IP40 | | | | | Degree of protection |
| 插拔周期 | >500 插拔周期 / > 500 mating cycles | | | | | Mechanical operation |
| 最高工作温度 | + 85 °C | | | | | Upper temperature |
| 最低工作温度 | - 40 °C | | | | | Lower temperature |
| 额定电压 | 250 V (32 V) | | | 125 V (32 V) | 60 V (32 V) | Rated voltage |
| 额定冲击电压 | 1500 V | | | 800 V | 500 V | Rated impulse voltage |
| 污染等级 | 1 (2) ¹⁾ | | | | | Pollution degree |
| 过电压等级 | I (II) ¹⁾ | | | | | Overvoltage categorie |
| 绝缘等级 | III | | | | | Material group |
| 额定电流 (40 °C) | 6 A | | | 5 A | | Rated current (40 °C) |
| 触点电阻 | ≤ 5 mΩ | | | | | Contact resistance |
| 插针材料 | — | | | | | Material of contact |
| 插针表面材料 | Ag(银 / silver) | | | | | Contact plating |
| 插头主体材料 | PBT | | | | | Material of contact body |
| 外壳材料 | CuZn(黄铜镀镍 / brass, nickel plated) | | | | | Material of housing |

小型连接器 581.680.682 系列

Miniature 581 · 680 · 682 Series

M16 IP40

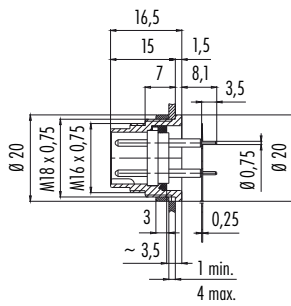
面板安装连接器，针，带柔性PCB板，板前固定
Male panel mount connector with flexible PCB, front fastened

面板安装连接器，针，带柔性PCB板，板前固定
Male panel mount connector with flexible PCB, front fastened

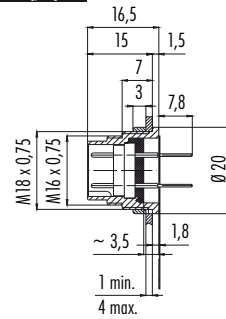
图例 / Figure



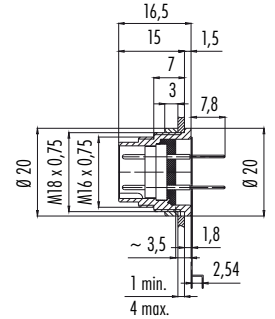
尺寸图 / Drawing



einreihig / single-row



doppelreihig / double-row



订货信息 / Order Data

| 芯数 Contacts | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|--------------------------------|------------------------------|
| 7 | 09 0327 65 07 | - |
| 8 DIN | 09 0473 65 08 | - |

| 芯数 Contacts | 镀银触点 Single row - gold plated contacts | 镀金触点 Double row - gold plated contacts |
|----------------|---|---|
| 12 | 09 0331 65 12 | 09 0331 66 12 |

技术参数 / Specifications

| 芯数 | 7 | 8 DIN | 12 | Number of contacts |
|--------------|--------------------------------------|-------------|--------------|--------------------------|
| 锁紧方式 | M16 螺母锁紧 / screw | | | Connector locking system |
| 接线方式 | 压接 / dip solder | | | Termination |
| 导线截面 | — | | | Wire gauge |
| 电缆出口直径 | — | | | Cable outlet |
| 防护等级 | IP40 | | | Degree of protection |
| 插拔周期 | >500 插拔周期 / > 500 mating cycles | | | Mechanical operation |
| 最高工作温度 | + 85 °C | | | Upper temperature |
| 最低工作温度 | - 40 °C | | | Lower temperature |
| 额定电压 | 250 V (32 V) | 60 V (32 V) | | Rated voltage |
| 额定冲击电压 | 1500 V | 500 V | | Rated impulse voltage |
| 污染等级 | 1 (2) ¹⁾ | | | Pollution degree |
| 过电压等级 | I (II) ¹⁾ | | | Overvoltage categorie |
| 绝缘等级 | III | | | Material group |
| 额定电流 (40 °C) | 5 A | | 2 A | Rated current (40 °C) |
| 触点电阻 | ≤ 5 mΩ | | ≤ 3 mΩ | Contact resistance |
| 插针材料 | CuZn(黄铜 / brass) | | | Material of contact |
| 插针表面材料 | Ag(银 / silver) | | Au(金 / gold) | Contact plating |
| 插头主体材料 | PBT | | | Material of contact body |
| 外壳材料 | 铸锌镀镍 / zinc diecasting nickel plated | | | Material of housing |

¹⁾当污染等级为2级，过电压级别为 II 时，额定电压降至32V。¹⁾In case of pollution degree 2, overvoltage category II rated voltage is reduced to 32 V.

面板安装连接器，孔，焊接
Female panel mount connector, solder

面板安装连接器，孔，焊接
Female panel mount connector, solder

图例 / Figure



尺寸图 / Drawing



订货信息 / Order Data

| 芯数 Contacts | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|--------------------------------|------------------------------|
| 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 |

| 芯数 Contacts | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|--------------------------------|------------------------------|
| 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 |

技术参数 / Specifications

| 芯数 | 2 | 3 DIN | 4 | 5 | 5 (Stereo) | 6 DIN | 7 | 7 DIN | 8 DIN | 12 | 14 | 16 | 19 | 24 | Number of contacts |
|--------------|---|-------|-----|---|-------------|-------|--------------|-------|--------------|----|---|----|---------------------------|----|--------------------------|
| 锁紧方式 | M16 螺母锁紧 / screw | | | | | | | | | | | | | | Connector locking system |
| 接线方式 | 焊接 / solder | | | | | | | | | | | | | | Termination |
| 导线截面 | max. 0,75 mm ² (max. AWG 20) | | | | | | | | | | max. 0,25 mm ² (max. AWG 24) | | 0,14 mm ² (26) | | Wire gauge |
| 电缆出口直径 | — | | | | | | | | | | | | | | Cable outlet |
| 防护等级 | IP40 | | | | | | | | | | | | | | Degree of protection |
| 插拔周期 | >500 插拔周期 / > 500 mating cycles | | | | | | | | | | | | | | Mechanical operation |
| 最高工作温度 | + 85 °C | | | | | | | | | | | | | | Upper temperature |
| 最低工作温度 | - 40 °C | | | | | | | | | | | | | | Lower temperature |
| 额定电压 | 250 V (32 V) | | | | 60 V (32 V) | | 250 V (32 V) | | 125 V (32 V) | | 60 V (32 V) | | | | Rated voltage |
| 额定冲击电压 | 1500 V | | | | 500 V | | 1500 V | | 800 V | | 500 V | | | | Rated impulse voltage |
| 污染等级 | 1 (2) ¹⁾ | | | | | | | | | | | | | | Pollution degree |
| 过电压等级 | I (II) ¹⁾ | | | | | | | | | | | | | | Overvoltage categorie |
| 绝缘等级 | III | | | | | | | | | | | | | | Material group |
| 额定电流 (40 °C) | 7 A | | 6 A | | | | 5 A | | | | 3 A | | 1 A | | Rated current (40 °C) |
| 触点电阻 | ≤ 5 mΩ / ≤ 3 mΩ | | | | | | | | | | | | | | Contact resistance |
| 插针材料 | CuSn(青铜 / bronze) | | | | | | | | | | | | | | Material of contact |
| 插针表面材料 | Ag(银 / silver) / Au(金 / gold) | | | | | | | | | | Au(金 / gold) | | | | Contact plating |
| 插头主体材料 | PBT | | | | | | | | | | | | | | Material of contact body |
| 外壳材料 | 铸锌镀镍 / zinc diecasting nickel plated | | | | | | | | | | | | | | Material of housing |

小型连接器 581.680.682 系列

Miniature 581 · 680 · 682 Series

M16 IP40

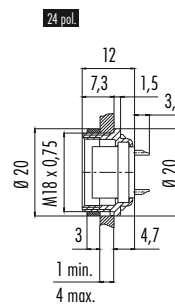
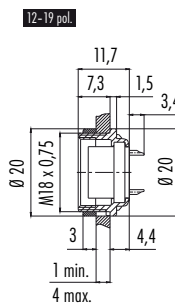
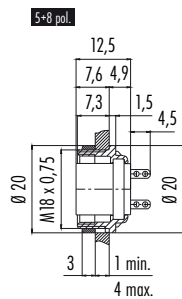
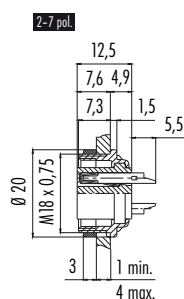
面板安装连接器，孔，焊接，板前固定
Female panel mount connector, solder, front fastened

面板安装连接器，孔，焊接，板前固定
Female panel mount connector, solder, front fastened

图例 / Figure



尺寸图 / Drawing



订货信息 / Order Data

| 芯数 Contacts | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|--------------------------------|------------------------------|
| 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 |

| 芯数 Contacts | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|--------------------------------|------------------------------|
| 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 |

技术参数 / Specifications

| 芯数 | 2 | 3 DIN | 4 | 5 | 5 (Stereo) | 6 DIN | 7 | 7 DIN | 8 DIN | 12 | 14 | 16 | 19 | 24 | Number of contacts | |
|--------------|---|-------|---|-------------|------------|-------|--------------|-------|-------|--------------|---|----|---------------------------|----|--------------------------|-----------------------|
| 锁紧方式 | M16 螺母锁紧 / screw | | | | | | | | | | | | | | Connector locking system | |
| 接线方式 | 焊接 / solder | | | | | | | | | | | | | | Termination | |
| 导线截面 | max. 0,75 mm ² (max. AWG 20) | | | | | | | | | | max. 0,25 mm ² (max. AWG 24) | | 0,14 mm ² (26) | | Wire gauge | |
| 电缆出口直径 | — | | | | | | | | | | | | | | Cable outlet | |
| 防护等级 | IP40 | | | | | | | | | | | | | | Degree of protection | |
| 插拔周期 | >500 插拔周期 / > 500 mating cycles | | | | | | | | | | | | | | Mechanical operation | |
| 最高工作温度 | + 85 °C | | | | | | | | | | | | | | Upper temperature | |
| 最低工作温度 | - 40 °C | | | | | | | | | | | | | | Lower temperature | |
| 额定电压 | 250 V (32 V) | | | 60 V (32 V) | | | 250 V (32 V) | | | 125 V (32 V) | | | 60 V (32 V) | | | Rated voltage |
| 额定冲击电压 | 1500 V | | | 500 V | | | 1500 V | | | 800 V | | | 500 V | | | Rated impulse voltage |
| 污染等级 | 1 (2) ¹⁾ | | | | | | | | | | | | | | Pollution degree | |
| 过电压等级 | I (II) ¹⁾ | | | | | | | | | | | | | | Overvoltage categorie | |
| 绝缘等级 | III | | | | | | | | | | | | | | Material group | |
| 额定电流 (40 °C) | 7 A | | | 6 A | | | 5 A | | | 3 A | | | 1 A | | | Rated current (40 °C) |
| 触点电阻 | ≤ 5 mΩ / ≤ 3 mΩ | | | | | | | | | | | | | | Contact resistance | |
| 插针材料 | CuSn(青铜 / bronze) | | | | | | | | | | | | | | Material of contact | |
| 插针表面材料 | Ag(银 / silver) / Au(金 / gold) | | | | | | | | | | Au(金 / gold) | | | | Contact plating | |
| 插头主体材料 | PBT | | | | | | | | | | | | | | Material of contact body | |
| 外壳材料 | 铸锌镀镍 / zinc diecasting nickel plated | | | | | | | | | | | | | | Material of housing | |

¹⁾当污染等级为2级，过电压级别为 II 时，额定电压降至32V。¹⁾In case of pollution degree 2, overvoltage category II rated voltage is reduced to 32 V.

小型连接器 581.680.682 系列

Miniature 581 - 680 - 682 Series

M16 IP40

面板安装连接器，孔，浸焊，板前固定

Female panel mount connector, dip solder, front fastened

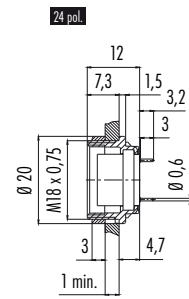
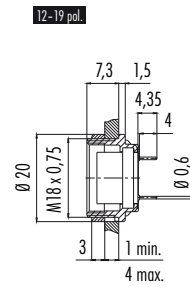
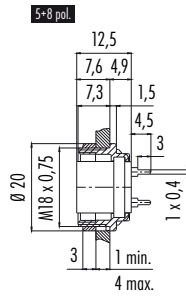
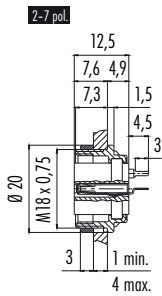
面板安装连接器，孔，浸焊，板前固定

Female panel mount connector, dip solder, front fastened

图例 / Figure



尺寸图 / Drawing



订货信息 / Order Data

| 芯数 Contacts | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|--------------------------------|------------------------------|
| 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 |

| 芯数 Contacts | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|--------------------------------|------------------------------|
| 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 |

技术参数 / Specifications

| 芯数 | 2 | 3 DIN | 4 | 5 | 5 (Stereo) | 6 DIN | 7 | 7 DIN | 8 DIN | 12 | 14 | 16 | 19 | 24 | Number of contacts |
|--------------|--------------------------------------|-------|-----|-------------|------------|--------------|---------------|--------------|-------|-------------|----|-----|----|----|--------------------------|
| 锁紧方式 | M16 螺母锁紧 / screw | | | | | | | | | | | | | | Connector locking system |
| 接线方式 | 浸焊 / dip solder | | | | | | | | | | | | | | Termination |
| 导线截面 | — | | | | | | | | | | | | | | Wire gauge |
| 电缆出口直径 | — | | | | | | | | | | | | | | Cable outlet |
| 防护等级 | IP40 | | | | | | | | | | | | | | Degree of protection |
| 插拔周期 | >500 插拔周期 / > 500 mating cycles | | | | | | | | | | | | | | Mechanical operation |
| 最高工作温度 | + 85 °C | | | | | | | | | | | | | | Upper temperature |
| 最低工作温度 | - 40 °C | | | | | | | | | | | | | | Lower temperature |
| 额定电压 | 250 V (32 V) | | | 60 V (32 V) | | 250 V (32 V) | | 125 V (32 V) | | 60 V (32 V) | | | | | Rated voltage |
| 额定冲击电压 | 1500 V | | | 500 V | | 1500 V | | 800 V | | 500 V | | | | | Rated impulse voltage |
| 污染等级 | 1 (2) ¹⁾ | | | | | | | | | | | | | | Pollution degree |
| 过电压等级 | I (II) ¹⁾ | | | | | | | | | | | | | | Overvoltage categorie |
| 绝缘等级 | III | | | | | | | | | | | | | | Material group |
| 额定电流 (40 °C) | 7 A | | 6 A | | | 5 A | | | 3 A | | | 1 A | | | Rated current (40 °C) |
| 触点电阻 | ≤ 5 mΩ / ≤ 3 mΩ | | | | | | | | | | | | | | Contact resistance |
| 插针材料 | CuSn (青铜 / bronze) | | | | | | | | | | | | | | Material of contact |
| 插针表面材料 | Ag (银 / silver) / Au (金 / gold) | | | | | | Au (金 / gold) | | | | | | | | Contact plating |
| 插头主体材料 | PBT | | | | | | | | | | | | | | Material of contact body |
| 外壳材料 | 铸锌镀镍 / zinc diecasting nickel plated | | | | | | | | | | | | | | Material of housing |

面板安装连接器，孔，压接
Female panel mount connector, crimp

面板安装连接器，孔，压接，板前固定
Female panel mount connector, crimp, front fastened

图例 / Figure



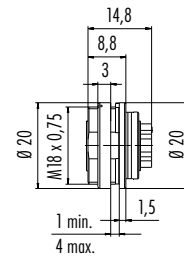
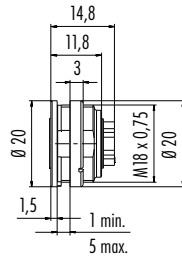
压接插针见202页

Crimp and ribbon contacts see page 202

压接插针见202页

Crimp and ribbon contacts see page 202

尺寸图 / Drawing



订货信息 / Order Data

| 芯数 Contacts | 订货号 Ordering-No. |
|----------------|---------------------|
| 4 | 09 0312 700 04 |
| 5 | 09 0316 700 05 |
| 6 DIN | 09 0324 700 06 |
| 7 | 09 0328 700 07 |
| 8 DIN | 09 0474 700 08 |

| 芯数 Contacts | 订货号 Ordering-No. |
|----------------|---------------------|
| 4 | 09 0312 780 04 |
| 5 | 09 0316 780 05 |
| 6 DIN | 09 0324 780 06 |
| 7 | 09 0328 780 07 |
| 8 DIN | 09 0474 780 08 |

技术参数 / Specifications

| 芯数 | 4 | 5 | 6 DIN | 7 | 8 DIN | Number of contacts |
|--------------|---|---|--------------|---|-------------|--------------------------|
| 锁紧方式 | M16 螺母锁紧 / screw | | | | | Connector locking system |
| 接线方式 | 压接 / crimp | | | | | Termination |
| 导线截面 | 4-6 pol. 0,14 mm ² -1,0 mm ² (AWG 26-AWG 18), 7+8 pol. 0,14 mm ² -0,75 mm ² (AWG 26-AWG 20) | | | | | Wire gauge |
| 电缆出口直径 | — | | | | | Cable outlet |
| 防护等级 | IP40 | | | | | Degree of protection |
| 插拔周期 | >500 插拔周期 / > 500 mating cycles | | | | | Mechanical operation |
| 最高工作温度 | + 85 °C | | | | | Upper temperature |
| 最低工作温度 | - 40 °C | | | | | Lower temperature |
| 额定电压 | 250 V (32 V) | | 125 V (32 V) | | 60 V (32 V) | Rated voltage |
| 额定冲击电压 | 1500 V | | 800 V | | 500 V | Rated impulse voltage |
| 污染等级 | 1 (2) ¹⁾ | | | | | Pollution degree |
| 过电压等级 | I (II) ¹⁾ | | | | | Overvoltage categorie |
| 绝缘等级 | III | | | | | Material group |
| 额定电流 (40 °C) | 6 A | | 5 A | | | Rated current (40 °C) |
| 触点电阻 | ≤ 5 mΩ | | | | | Contact resistance |
| 插针材料 | — | | | | | Material of contact |
| 插针表面材料 | Ag(银 / silver) | | | | | Contact plating |
| 插头主体材料 | PBT | | | | | Material of contact body |
| 外壳材料 | CuZn(黄铜镀镍 / brass, nickel plated) | | | | | Material of housing |

¹⁾当污染等级为2级，过电压级别为 II 时，额定电压降至32V。¹⁾In case of pollution degree 2, overvoltage category II rated voltage is reduced to 32 V.

小型连接器 581.680.682 系列

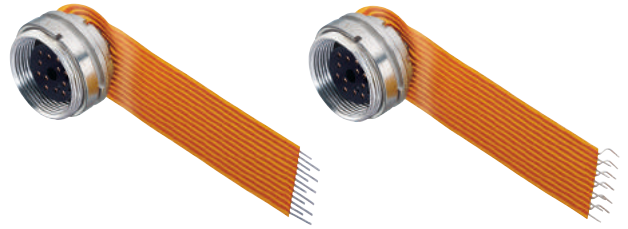
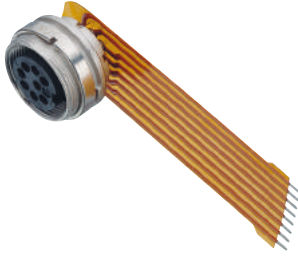
Miniature 581 - 680 - 682 Series

M16 IP40

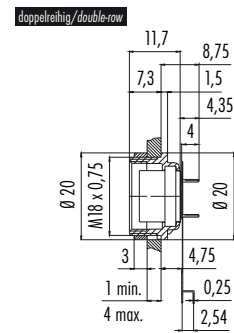
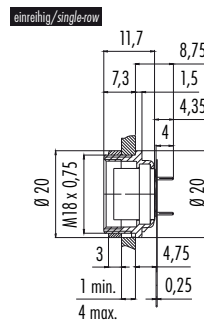
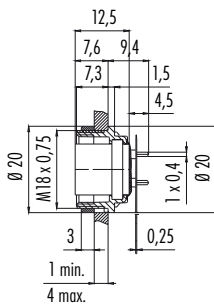
面板安装连接器，孔，带柔性PCB板，板前固定
Female panel mount connector with flexible PCB, front fastened

面板安装连接器，孔，带柔性PCB板，板前固定
Female panel mount connector with flexible PCB, front fastened

图例 / Figure



尺寸图 / Drawing



订货信息 / Order Data

| 芯数 Contacts | 镀银触点 Silver plated contacts | 镀金触点 Gold plated contacts |
|----------------|--------------------------------|------------------------------|
| 7 | 09 0328 65 07 | - |
| 8 DIN | 09 0474 65 08 | - |

| 芯数 Contacts | 镀银触点 Single row - gold plated contacts | 镀金触点 Double row - gold plated contacts |
|----------------|---|---|
| 12 | 09 0332 65 12 | 09 0332 66 12 |

技术参数 / Specifications

| 芯数 | 7 | 8 DIN | 12 | Number of contacts |
|--------------|--------------------------------------|-------------|--------------|--------------------------|
| 锁紧方式 | M16 螺母锁紧 / screw | | | Connector locking system |
| 接线方式 | 浸焊 / dip solder | | | Termination |
| 导线截面 | — | | | Wire gauge |
| 电缆出口直径 | — | | | Cable outlet |
| 防护等级 | IP40 | | | Degree of protection |
| 插拔周期 | >500 插拔周期 / > 500 mating cycles | | | Mechanical operation |
| 最高工作温度 | + 85 °C | | | Upper temperature |
| 最低工作温度 | - 40 °C | | | Lower temperature |
| 额定电压 | 250 V (32 V) | 60 V (32 V) | | Rated voltage |
| 额定冲击电压 | 1500 V | 500 V | | Rated impulse voltage |
| 污染等级 | 1 (2) ¹⁾ | | | Pollution degree |
| 过电压等级 | I (II) ¹⁾ | | | Overvoltage categorie |
| 绝缘等级 | III | | | Material group |
| 额定电流 (40 °C) | 5 A | | 2 A | Rated current (40 °C) |
| 触点电阻 | ≤ 5 mΩ | | ≤ 3 mΩ | Contact resistance |
| 插针材料 | CuSn(青铜 / bronze) | | | Material of contact |
| 插针表面材料 | Ag(银 / silver) | | Au(金 / gold) | Contact plating |
| 插头主体材料 | PBT | | | Material of contact body |
| 外壳材料 | 铸锌镀镍 / zinc diecasting nickel plated | | | Material of housing |

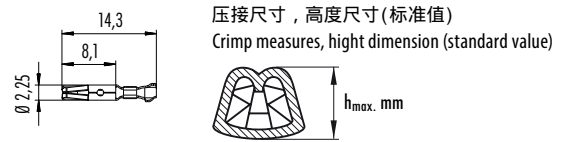
插针，针，最小包装50只
Male contact, PU 50 pieces

插针，孔，最小包装50只
Female contact, PU 50 pieces

图例 / Figure



尺寸图 / Drawing



技术参数

Specifications

| 导线截面 mm ² | 0,14 mm ² – 0,25 mm ² | | 0,35 mm ² – 0,5 mm ² | | 0,75 mm ² – 1,0 mm ² | | Wire gauge mm ² |
|---------------------------|---|-------------------------------|--|------------------------------|--|---------------------------------|---|
| 导体截面 mm ² | 0,14 mm ² (AWG 26) | 0,25 mm ² (AWG 24) | 0,35 mm ² (AWG 22) | 0,5 mm ² (AWG 20) | 0,75 mm ² (AWG 20-18) | 1,0 mm ² (AWG 18-16) | Conductor cross section mm ² |
| 绝缘 Ø | Ø 1,0 – 2,0 mm | | | | Ø 1,6 – 2,1 mm | | Insulation Ø |
| 压接尺寸 (标准值) | 0,9 – 1,0 mm | 0,92 – 1,09 mm | 0,93 – 1,1 mm | 0,95 – 1,12 mm | 1,2 – 1,33 mm | 1,3 – 1,45 mm | Crimp measures (standard value) |
| 压接插针取出力 遵循 DIN EN 60352-2 | 24 N | 42 N | 53 N | 73 N | 90 N | 110 N | Crimp extraction force acc. to DIN EN 60352-2 |

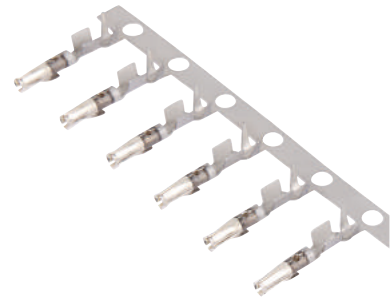
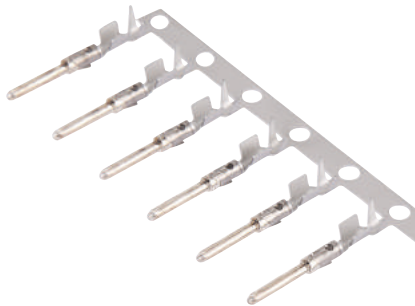
条式插针 (针)

Strip contact (Male)

条式插针 (孔)

Strip contact (Female)

图例 / Figure



订货信息 / Order Data

| 插针 - Ø Pin-Ø | 绝缘 - Ø Insulating-Ø | 通过截面 - Ø Cross section-Ø | 包装 Pieces | 数量 Pieces | 订货号 Ordering-No. |
|-----------------|------------------------|-----------------------------|--------------|--------------|---------------------|
| 1,5 mm | 1,0 – 2,0 mm | 0,14 – 0,25 mm ² | 单只 / single | 50 | 61 0799 085 00 |
| | | | 条式 / strip | 200 | 65 0799 085 01 |
| | | | 条式 / strip | 2000 | 65 0799 085 02 |
| | | 0,35 – 0,5 mm ² | 单只 / single | 50 | 61 0795 085 00 |
| | | | 条式 / strip | 200 | 65 0795 085 01 |
| | | | 条式 / strip | 2000 | 65 0795 085 02 |
| | 1,6 – 2,1 mm | 0,75 – 1,0 mm ² | 单只 / single | 50 | 61 0796 085 00 |
| | | | 条式 / strip | 200 | 65 0796 085 01 |
| | | | 条式 / strip | 2000 | 65 0796 085 02 |

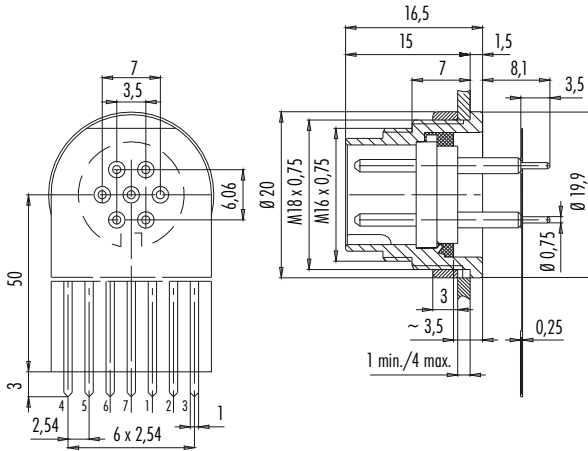
订货信息 / Order Data

| 插针 - Ø Pin-Ø | 绝缘 - Ø Insulating-Ø | 通过截面 - Ø Cross section-Ø | 包装 Pieces | 数量 Pieces | 订货号 Ordering-No. |
|-----------------|------------------------|-----------------------------|--------------|--------------|---------------------|
| 1,5 mm | 1,0 – 2,0 mm | 0,14 – 0,25 mm ² | 单只 / single | 50 | 61 0800 085 00 |
| | | | 条式 / strip | 200 | 65 0800 085 01 |
| | | | 条式 / strip | 2000 | 65 0800 085 02 |
| | | 0,35 – 0,5 mm ² | 单只 / single | 50 | 61 0797 085 00 |
| | | | 条式 / strip | 200 | 65 0797 085 01 |
| | | | 条式 / strip | 2000 | 65 0797 085 02 |
| | 1,6 – 2,1 mm | 0,75 – 1,0 mm ² | 单只 / single | 50 | 61 0798 085 00 |
| | | | 条式 / strip | 200 | 65 0798 085 01 |
| | | | 条式 / strip | 2000 | 65 0798 085 02 |

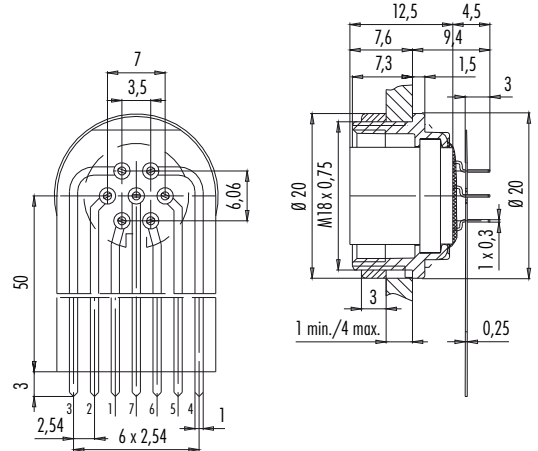
尺寸图

Drawings

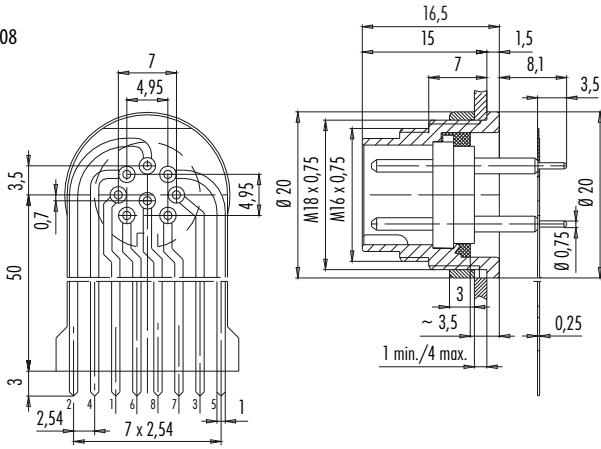
09 0327 65 07



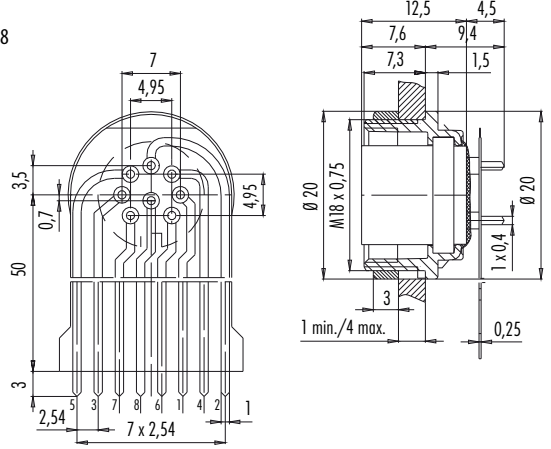
09 0328 65 07



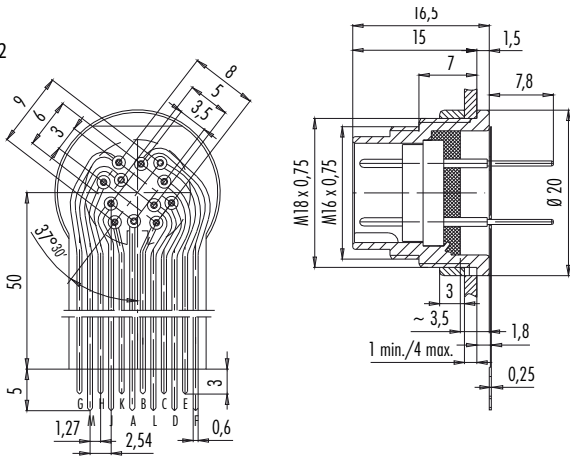
09 0473 65 08



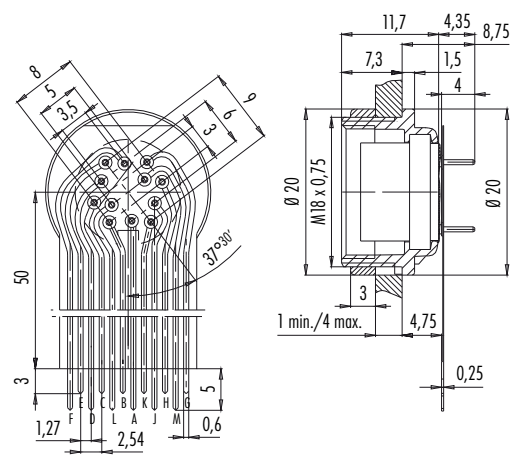
09 0474 65 08



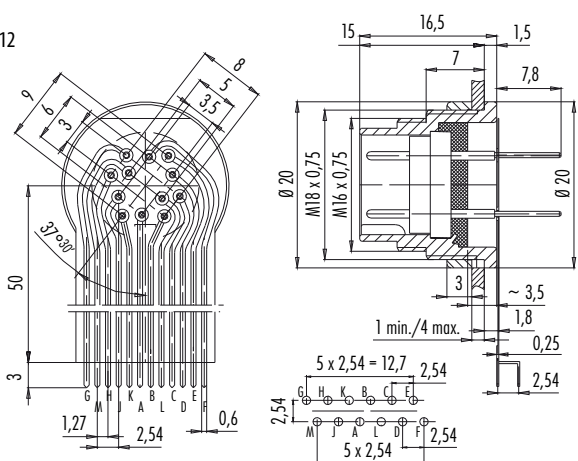
09 0331 65 12



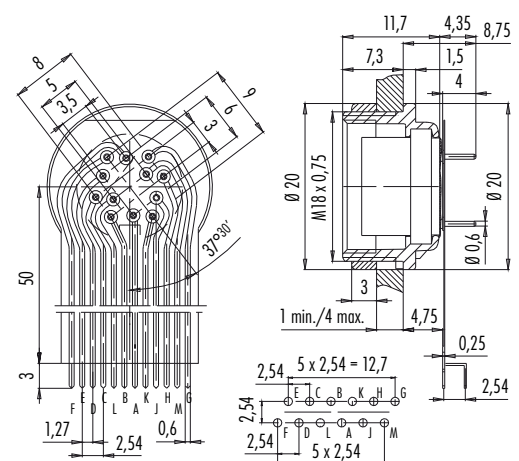
09 0332 65 12



09 0331 66 12



09 0332 66 12

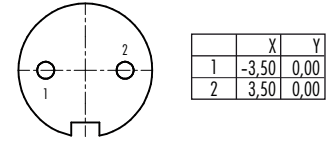
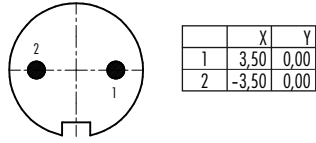


针位图
Contact arrangements

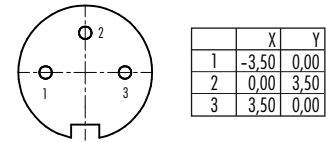
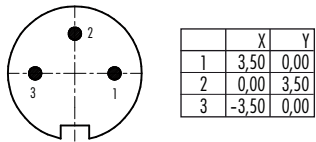
插孔, 针 (接触面)
Male insert (mating side)

插孔, 孔 (接触面)
Female insert (mating side)

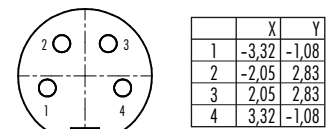
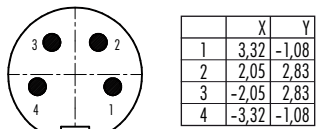
2 芯
2 contacts



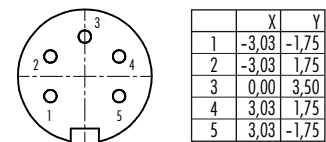
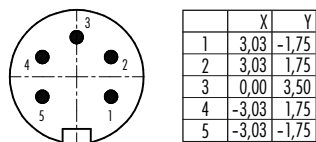
3 芯 (DIN 41524)
3 contacts (DIN 41524)



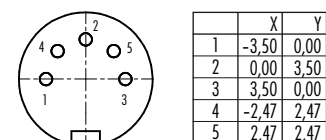
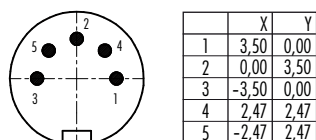
4 芯
4 contacts



5 芯
5 contacts



5 芯 Stereo (DIN 41524)
5 contacts stereo (DIN 41524)

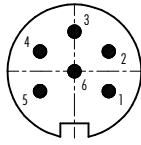


针位图
Contact arrangements

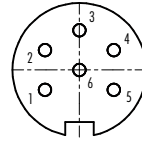
插孔, 针(接触面)
Male insert (mating side)

插孔, 孔(接触面)
Female insert (mating side)

6 芯 (DIN 45322)
6 contacts (DIN 45322)

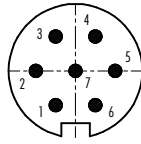


| | X | Y |
|---|-------|-------|
| 1 | 3,03 | -1,75 |
| 2 | 3,03 | 1,75 |
| 3 | 0,00 | 3,50 |
| 4 | -3,03 | 1,75 |
| 5 | -3,03 | -1,75 |
| 6 | 0,00 | 0,00 |

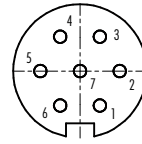


| | X | Y |
|---|-------|-------|
| 1 | -3,03 | -1,75 |
| 2 | -3,03 | 1,75 |
| 3 | 0,00 | 3,50 |
| 4 | 3,03 | 1,75 |
| 5 | 3,03 | -1,75 |
| 6 | 0,00 | 0,00 |

7 芯
7 contacts

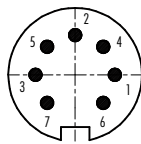


| | X | Y |
|---|-------|-------|
| 1 | -1,75 | -3,03 |
| 2 | -3,50 | 0,00 |
| 3 | -1,75 | 3,03 |
| 4 | 1,75 | 3,03 |
| 5 | 3,50 | 0,00 |
| 6 | 1,75 | -3,03 |
| 7 | 0,00 | 0,00 |

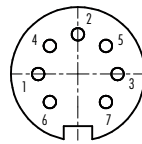


| | X | Y |
|---|-------|-------|
| 1 | 1,75 | -3,03 |
| 2 | 3,50 | 0,00 |
| 3 | 1,75 | 3,03 |
| 4 | -1,75 | 3,03 |
| 5 | -3,50 | 0,00 |
| 6 | -1,75 | -3,03 |
| 7 | 0,00 | 0,00 |

7 芯 (DIN 45329)
7 contacts (DIN 45329)

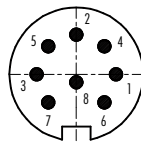


| | X | Y |
|---|-------|-------|
| 1 | 3,50 | 0,00 |
| 2 | 0,00 | 3,50 |
| 3 | -3,50 | 0,00 |
| 4 | 2,47 | 2,47 |
| 5 | -2,47 | 2,47 |
| 6 | 2,47 | -2,47 |
| 7 | -2,47 | -2,47 |

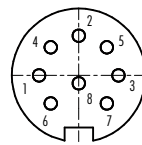


| | X | Y |
|---|-------|-------|
| 1 | -3,50 | 0,00 |
| 2 | 0,00 | 3,50 |
| 3 | 3,50 | 0,00 |
| 4 | -2,47 | 2,47 |
| 5 | 2,47 | 2,47 |
| 6 | -2,47 | -2,47 |
| 7 | 2,47 | -2,47 |

8 芯 (DIN 45326)
8 contacts (DIN 45326)

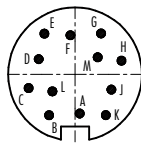


| | X | Y |
|---|-------|-------|
| 1 | 3,50 | 0,00 |
| 2 | 0,00 | 3,50 |
| 3 | -3,50 | 0,00 |
| 4 | 2,47 | 2,47 |
| 5 | -2,47 | 2,47 |
| 6 | 2,47 | -2,47 |
| 7 | -2,47 | -2,47 |
| 8 | 0,00 | -0,70 |

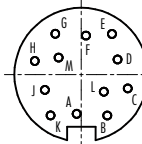


| | X | Y |
|---|-------|-------|
| 1 | -3,50 | 0,00 |
| 2 | 0,00 | 3,50 |
| 3 | 3,50 | 0,00 |
| 4 | -2,47 | 2,47 |
| 5 | 2,47 | 2,47 |
| 6 | -2,47 | -2,47 |
| 7 | 2,47 | -2,47 |
| 8 | 0,00 | -0,70 |

12 芯
12 contacts



| | 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 |



| | 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 |

小型连接器 581.680.682 系列

Miniature 581 · 680 · 682 Series

M16 IP40

针位图

Contact arrangements

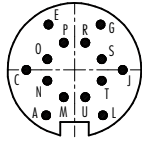
插孔, 针(接触面)

Male insert (mating side)

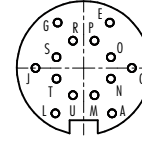
插孔, 孔(接触面)

Female insert (mating side)

14 芯
14 contacts

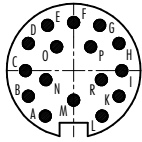


| | X | Y |
|---|-------|-------|
| A | -2,50 | -4,00 |
| C | -4,25 | 0,00 |
| E | -2,30 | 4,00 |
| G | 2,30 | 4,00 |
| J | 4,25 | 0,00 |
| L | 2,50 | -4,00 |
| M | -0,95 | -2,40 |
| N | -2,40 | -0,95 |
| O | -2,40 | 0,95 |
| P | -0,95 | 2,40 |
| R | 0,95 | 2,40 |
| S | 2,40 | 0,95 |
| T | 2,40 | -0,95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

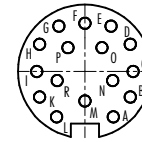


| | X | Y |
|---|-------|-------|
| A | 2,50 | -4,00 |
| C | 4,25 | 0,00 |
| E | 2,30 | 4,00 |
| G | -2,30 | 4,00 |
| J | -4,25 | 0,00 |
| L | -2,50 | 4,00 |
| M | 0,95 | -2,40 |
| N | 2,40 | -0,95 |
| O | 2,40 | 0,95 |
| P | 0,95 | 2,40 |
| R | -0,95 | 2,40 |
| S | -2,40 | 0,95 |
| T | -2,40 | -0,95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

16 芯
16 contacts

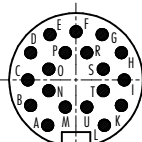


| | X | Y |
|---|-------|-------|
| A | -2,50 | -4,00 |
| B | -4,00 | -2,25 |
| C | -4,25 | 0,00 |
| D | -4,00 | 2,40 |
| E | -2,30 | 4,00 |
| F | 0,00 | 4,25 |
| G | 2,30 | 4,00 |
| H | 4,00 | 2,40 |
| I | 4,25 | 0,00 |
| K | 4,00 | -2,25 |
| L | 2,50 | -4,00 |
| M | 0,00 | -2,60 |
| N | -2,45 | -0,80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

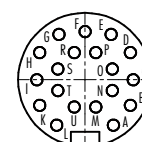


| | X | Y |
|---|-------|-------|
| A | 2,50 | -4,00 |
| B | 4,00 | -2,25 |
| C | 4,25 | 0,00 |
| D | 4,00 | 2,40 |
| E | 2,30 | 4,00 |
| F | 0,00 | 4,25 |
| G | -2,30 | 4,00 |
| H | -4,00 | 2,40 |
| I | -4,25 | 0,00 |
| K | -4,00 | -2,25 |
| L | -2,50 | -4,00 |
| M | 0,00 | -2,60 |
| N | 2,45 | -0,80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

19 芯
19 contacts

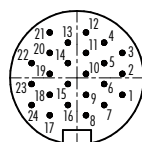


| | X | Y |
|---|-------|-------|
| A | -2,50 | -4,00 |
| B | -4,00 | -2,25 |
| C | -4,25 | 0,00 |
| D | -4,00 | 2,40 |
| E | -2,30 | 4,00 |
| F | 0,00 | 4,25 |
| G | 2,30 | 4,00 |
| H | 4,00 | 2,40 |
| I | 4,25 | 0,00 |
| K | 4,00 | -2,25 |
| L | 2,50 | -4,00 |
| M | -0,95 | -2,40 |
| N | -2,40 | -0,95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

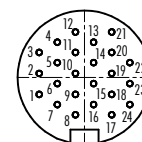


| | X | Y |
|---|-------|-------|
| A | 2,50 | -4,00 |
| B | 4,00 | -2,25 |
| C | 4,25 | 0,00 |
| D | 4,00 | 2,40 |
| E | 2,30 | 4,00 |
| F | 0,00 | 4,25 |
| G | -2,30 | 4,00 |
| H | -4,00 | 2,40 |
| I | -4,25 | 0,00 |
| K | -4,00 | -2,25 |
| L | -2,50 | -4,00 |
| M | 0,95 | -2,40 |
| N | 2,40 | -0,95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

24 芯
24 contacts



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

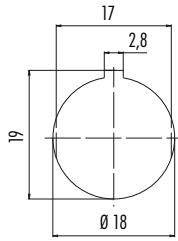


| | X | Y |
|----|-------|-------|
| 1 | -4,00 | -1,50 |
| 2 | -4,00 | 0,35 |
| 3 | -4,00 | 2,20 |
| 4 | -2,40 | 3,10 |
| 5 | -2,40 | 1,30 |
| 6 | -2,40 | -0,55 |
| 7 | -2,40 | -2,40 |
| 8 | -0,80 | -3,30 |
| 9 | -0,80 | -1,50 |
| 10 | -0,80 | 0,35 |
| 11 | -0,80 | 2,20 |
| 12 | -0,80 | 4,00 |
| 13 |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

581.680.682

安装截面

Panel cut out



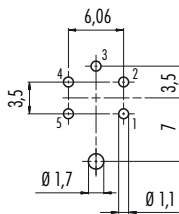
建议钻孔
Recommended drill holes

2 – 8 pol 1,1 mm
12 – 24 pol 0,8 mm

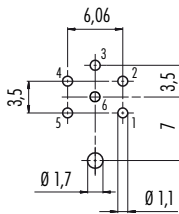
钻孔图，针(PCB)，插针屏蔽系列
Drilling schemes male insert (PCB), shield pin version

钻孔图，孔(PCB)，插针屏蔽系列
Drilling schemes female insert (PCB), shield pin version

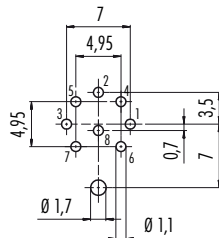
5 芯
5 contacts



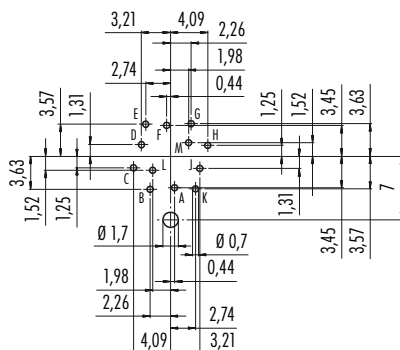
6 芯 (DIN 45322)
6 contacts (DIN 45322)



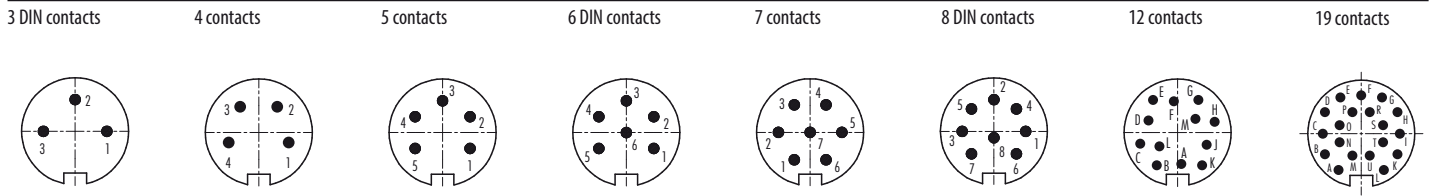
8 芯 (DIN 45326)
8 contacts (DIN 45326)



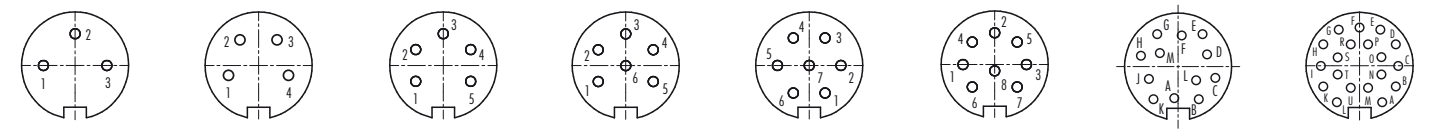
12 芯
12 contacts



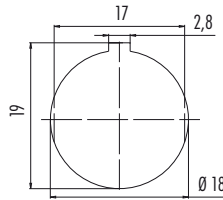
Contact arrangements male insert (mating side)



Contact arrangements female insert (mating side)



Panel cut out



Recommended drill holes

- 2 – 8 contacts 1,1 mm
- 12 – 24 contacts 0,8 mm

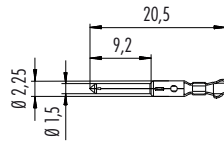
Colour of wires of panel mount connectors

- 4–8 contacts
- 1 white
- 2 brown
- 3 green
- 4 yellow
- 5 grey
- 6 pink
- 7 blue
- 8 red

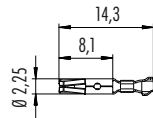
Description

Drawing

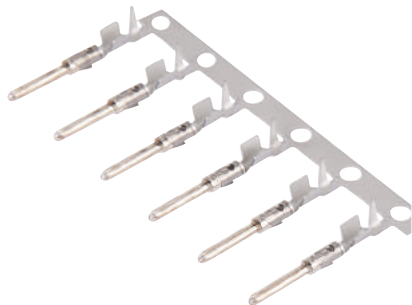
Male contact, PU 50 pieces



Female contact, PU 50 pieces



Strip contact (Male)



| Contact-Ø | Insulating-Ø | Wire gauge | PU | Pieces | Ordering-No. |
|------------|--------------|---------------------------|--------|--------|----------------|
| 1,0–2,0 mm | 1,0–2,0 mm | 0,14–0,25 mm ² | Single | 50 | 61 0799 085 00 |
| | | | Strip | 200 | 65 0799 085 01 |
| | | | Strip | 2000 | 65 0799 085 02 |
| 1,5 mm | 1,0–2,0 mm | 0,35–0,5 mm ² | Single | 50 | 61 0795 085 00 |
| | | | Strip | 200 | 65 0795 085 01 |
| | | | Strip | 2000 | 65 0795 085 02 |
| 1,6–2,1 mm | 1,6–2,1 mm | 0,75–1,0 mm ² | Single | 50 | 61 0796 085 00 |
| | | | Strip | 200 | 65 0796 085 01 |
| | | | Strip | 2000 | 65 0796 085 02 |

Strip contact (Female)



| | | | | | |
|------------|------------|---------------------------|--------|------|----------------|
| 1,0–2,0 mm | 1,0–2,0 mm | 0,14–0,25 mm ² | Single | 50 | 61 0800 085 00 |
| | | | Strip | 200 | 65 0800 085 01 |
| | | | Strip | 2000 | 65 0800 085 02 |
| 1,5 mm | 1,0–2,0 mm | 0,35–0,5 mm ² | Single | 50 | 61 0797 085 00 |
| | | | Strip | 200 | 65 0797 085 01 |
| | | | Strip | 2000 | 65 0797 085 02 |
| 1,6–2,1 mm | 1,6–2,1 mm | 0,75–1,0 mm ² | Single | 50 | 61 0798 085 00 |
| | | | Strip | 200 | 65 0798 085 01 |
| | | | Strip | 2000 | 65 0798 085 02 |

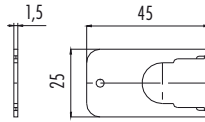
Description

Drawing

Ordering-No.

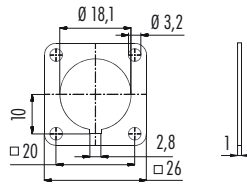
Mounting spanner for panel mount connectors

07 0010 001



Rectangular flange for panel mount connectors

04 0106 001



Hexagonal nut/Ring nut for fixing thread

Thickness

Ordering-No.

2,5 mm

01 0146 001 Hexagonal nut

5 mm

01 5006 001 Hexagonal nut

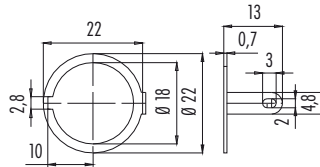
—

01 0010 001 Ring nut with knurled screw

Ordering-No.

04 0183 009

Solder eye ring



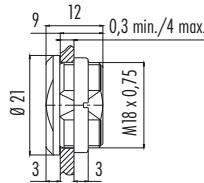
Blind plug

Höhe

Ordering-No.

12 mm

08 2668 000 001



Protection cap for panel mount connectors, IP40

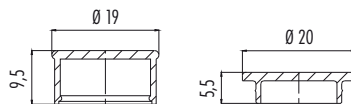
9,5 mm

02 0054 000

5,5 mm

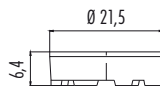
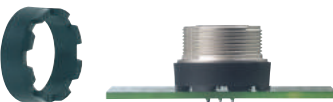
02 0055 001

02 0055 000 black



Distance sleeve for panel mount connectors, dip-solder version

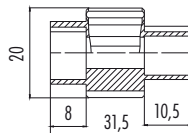
02 0007 000



PCB thickness: max. 1,5 mm

Mounting spanner for straight, shieldable cable connectors

02 1785 000



Crimping tool for single contacts

Crimping tool for strip contacts

66 0001 014 100

67 0001 014 100



Extraction tool for crimp contacts

07 0088 000



