

Sonder Sensor



M12 Automatisierungstechnik - Sonder - D-/X-Kodierung

M12 Automation Technology - Special - D-/X-Coding

Kabelsteckverbinder

- Schraubverriegelung nach DIN EN 61076-2-101 und 109
- Schutzart IP67 ¹⁾
- Am Kabel angespritzte Ausführungen
- Einfache Montage
- Sehr gute EMV Eigenschaften
- Ausführungen mit Schirmringen/Kabelklemme
- Winkelsteckverbinder in 4 Positionen einstellbar

Flanschsteckverbinder

- Schraubverriegelung nach DIN EN 61076-2-101 und 109
- Schutzart IP67 ¹⁾
- Einfache Montage
- Löt-/Tauchlötanschluss/Litzen/Kabel
- Verschiedene Bauformen

Cable Connectors

- Screw locking according to DIN EN 61076-2-101 and 109
- Degree of protection IP67 ¹⁾
- Moulded versions
- Easy assembly
- Excellent EMC shielding
- Versions with shielding rings/cable clamp
- Angled connector adjustable in 4 positions

Panel Mount Connectors

- Screw locking according to DIN EN 61076-2-101 and 109
- Degree of protection IP67 ¹⁾
- Easy assembly
- Solder/dip solder termination/single wires/cables
- Various variants

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

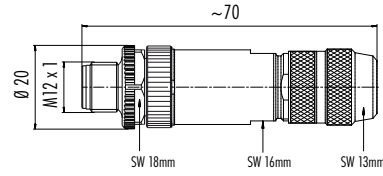
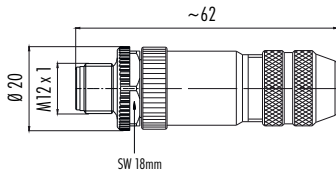
电缆连接器，针，CAT 5，螺钉接线，带屏蔽圈，屏蔽
Male cable connector, CAT 5, screw clamp connection, with shielding ring, shieldable

电缆连接器，针，CAT 5，螺钉接线，带IRIS弹簧，屏蔽
Male cable connector, CAT 5, screw clamp connection, iris type spring, 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	订货号 Ordering-No.
4	6-8 mm	99 3729 810 04

芯数 Contacts	电缆出口直径 Cable outlet	订货号 Ordering-No.
4	5-8 mm	99 3727 810 04

技术参数 / Specifications

芯数	4	Number of contacts
锁紧方式	M12 螺母锁紧 / screw	Connector locking system
接线方式	螺钉接线 / screw	Termination
导线截面	max. 0,75 mm ² (max. AWG 20)	Wire gauge
电缆出口直径	6-8 mm, 5-8 mm	Cable outlet
防护等级	IP67	Degree of protection
插拔周期	>100插拔周期 / > 100 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	Rated voltage
额定冲击电压	2500 V	Rated impulse voltage
污染等级	3	Pollution degree
过电压等级	II	Overvoltage categorie
绝缘等级	III	Material group
额定电流 (40 °C)	4 A	Rated current (40 °C)
触点电阻	≤ 3 mΩ	Contact resistance
插针材料	CuZn (黄铜 / brass)	Material of contact
插针表面材料	Au (金 / gold)	Contact plating
插头主体材料	PA	Material of contact body
外壳材料	铸锌镀镍 / zinc diecasting nickel plated	Material of housing

电缆连接器，针，螺钉接线，带屏蔽圈，不锈钢版本，屏蔽
Male cable connector, screw clamp connection, with shielding ring, stainless steel version, shieldable

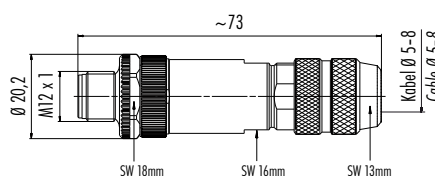
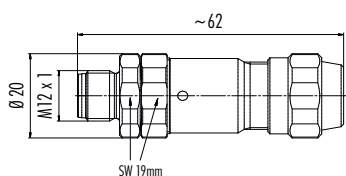
电缆连接器，针，CAT 5，压接，屏蔽
Male cable connector, CAT 5, crimp connection, shieldable

图例 / Figure



压接插针请见第625页
Crimp contacts see page 625

尺寸图 / Drawing



订货信息 / Order Data

芯数 Contacts	电缆出口直径 Cable outlet	订货号 Ordering-No.
4	5,5-8,6 mm	99 3729 995 04

芯数 Contacts	电缆出口直径 Cable outlet	订货号 Ordering-No.
4	5-8 mm	99 3721 810 04

技术参数 / Specifications

芯数	4	Number of contacts
锁紧方式	M12 螺母锁紧 / screw	Connector locking system
接线方式	螺钉接线，压接 / screw, crimp	Termination
导线截面	螺钉接线 / screw max. 0,75 mm ² (max.AWG 20) 压接接线请见第625页 see crimp contacts page 675	Wire gauge
电缆出口直径	5,5-8,6 mm, 5-8 mm	Cable outlet
防护等级	IP67	Degree of protection
插拔周期	>100插拔周期 / > 100 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	Rated voltage
额定冲击电压	2500 V	Rated impulse voltage
污染等级	3	Pollution degree
过电压等级	II	Overvoltage categorie
绝缘等级	III	Material group
额定电流 (40 °C)	4 A	Rated current (40 °C)
触点电阻	≤ 3 mΩ	Contact resistance
插针材料	CuZn (黄铜 / brass)	Material of contact
插针表面材料	Au (金 / gold)	Contact plating
插头主体材料	PA	Material of contact body
外壳材料	铸锌镀镍 / zinc diecasting nickel plated 不锈钢 1.4404 / stainless steel 1.4404	Material of housing

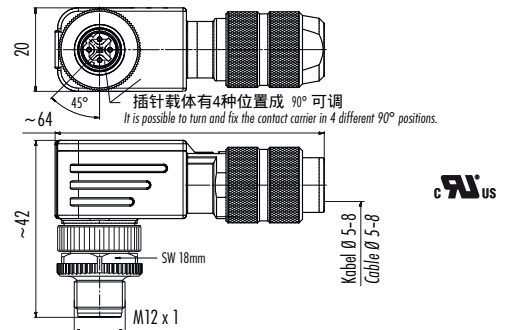
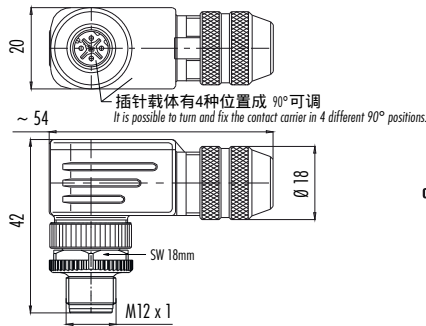
弯角电缆连接器，针，CAT 5，螺钉接线，带屏蔽圈，屏蔽
Male angled connector, CAT 5, screw clamp connection, with shielding ring, shieldable

弯角电缆连接器，针，CAT 5，螺钉接线，带IRIS弹簧，屏蔽
Male angled connector, CAT 5, screw clamp connection, iris type spring, 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	订货号 Ordering-No.
4	6-8 mm	99 3729 820 04

芯数 Contacts	电缆出口直径 Cable outlet	订货号 Ordering-No.
4	5-8 mm	99 3727 820 04

技术参数 / Specifications

芯数	4	Number of contacts
锁紧方式	M12 螺母锁紧 / screw	Connector locking system
接线方式	螺钉接线 / screw	Termination
导线截面	max. 0,75 mm ² (max. AWG 20)	Wire gauge
电缆出口直径	6-8 mm, 5-8 mm	Cable outlet
防护等级	IP67	Degree of protection
插拔周期	>100插拔周期 / > 100 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	Rated voltage
额定冲击电压	2500 V	Rated impulse voltage
污染等级	3	Pollution degree
过电压等级	II	Overvoltage categorie
绝缘等级	III	Material group
额定电流 (40 °C)	4 A	Rated current (40 °C)
触点电阻	≤ 3 mΩ	Contact resistance
插针材料	CuZn (黄铜 / brass)	Material of contact
插针表面材料	Au (金 / gold)	Contact plating
插头主体材料	PA	Material of contact body
外壳材料	铸锌镀镍 / zinc diecasting nickel plated	Material of housing

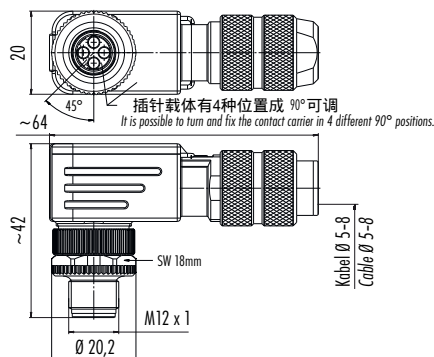
弯角电缆连接器，针，CAT 5，压接，屏蔽
Male angled connector, CAT 5, crimp connection, shieldable

图例 / Figure



压接插针请见第625页
Crimp contacts see page 625

尺寸图 / Drawing



订货信息 / Order Data

芯数 Contacts	电缆出口直径 Cable outlet	订货号 Ordering-No.
4	5-8 mm	99 3721 820 04



技术参数 / Specifications

芯数	4	Number of contacts
锁紧方式	M12 螺母锁紧 / screw	Connector locking system
接线方式	压接 / crimp	Termination
导线截面	压接接线请见第625页 see crimp contacts page 675	Wire gauge
电缆出口直径	5-8 mm	Cable outlet
防护等级	IP67	Degree of protection
插拔周期	>100插拔周期 / > 100 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	Rated voltage
额定冲击电压	2500 V	Rated impulse voltage
污染等级	3	Pollution degree
过电压等级	II	Overvoltage categorie
绝缘等级	III	Material group
额定电流 (40 °C)	4 A	Rated current (40 °C)
触点电阻	≤ 3 mΩ	Contact resistance
插针材料	CuZn (黄铜 / brass)	Material of contact
插针表面材料	Au (金 / gold)	Contact plating
插头主体材料	PA	Material of contact body
外壳材料	铸锌镀镍 / zinc diecasting nickel plated	Material of housing

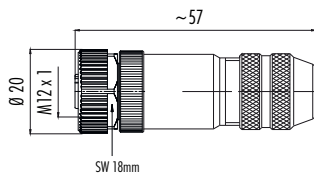
电缆连接器，孔，CAT 5，螺钉接线，带屏蔽圈，屏蔽
Female cable connector, CAT 5, screw clamp connection, with shielding ring, shieldable

电缆连接器，孔，CAT 5，螺钉接线，带IRIS弹簧，屏蔽
Female cable connector, CAT 5, screw clamp connection, iris type spring, shieldable

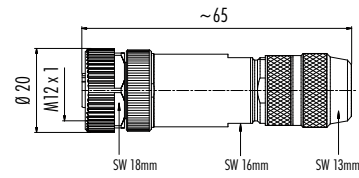
图例 / Figure



尺寸图 / Drawing



c us



c us

订货信息 / Order Data

芯数 Contacts	电缆出口直径 Cable outlet	订货号 Ordering-No.
4	6-8 mm	99 3730 810 04

芯数 Contacts	电缆出口直径 Cable outlet	订货号 Ordering-No.
4	5-8 mm	99 3728 810 04

技术参数 / Specifications

芯数	4	Number of contacts
锁紧方式	M12 螺母锁紧 / screw	Connector locking system
接线方式	螺钉接线 / screw	Termination
导线截面	max. 0,75 mm ² (max. AWG 20)	Wire gauge
电缆出口直径	6-8 mm, 5-8 mm	Cable outlet
防护等级	IP67	Degree of protection
插拔周期	>100插拔周期 / > 100 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	Rated voltage
额定冲击电压	2500 V	Rated impulse voltage
污染等级	3	Pollution degree
过电压等级	II	Overvoltage categorie
绝缘等级	III	Material group
额定电流 (40 °C)	4 A	Rated current (40 °C)
触点电阻	≤ 3 mΩ	Contact resistance
插针材料	CuSn (青铜 / brass)	Material of contact
插针表面材料	Au (金 / gold)	Contact plating
插头主体材料	PA	Material of contact body
外壳材料	铸锌镀镍 / zinc diecasting nickel plated	Material of housing

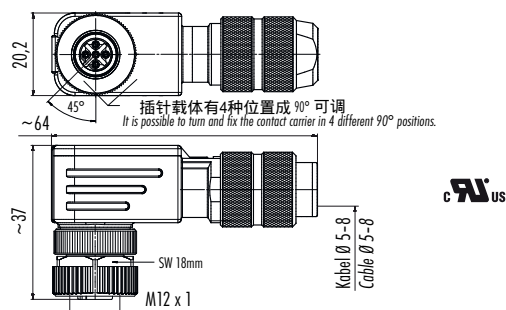
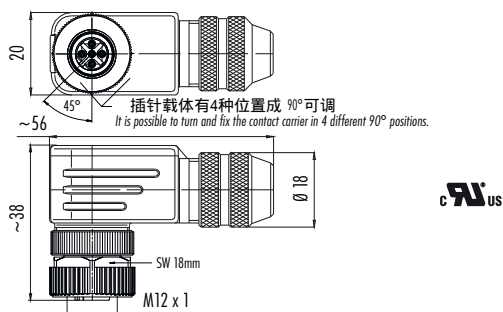
弯角电缆连接器，孔，CAT 5，螺钉接线，带屏蔽圈，屏蔽
Female angled connector, CAT 5, screw clamp connection, with shielding ring, shieldable

弯角电缆连接器，孔，CAT 5，螺钉接线，带 IRIS 弹簧，屏蔽
Female angled connector, CAT 5, screw clamp connection, iris type spring, 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	订货号 Ordering-No.
4	6-8 mm	99 3730 820 04

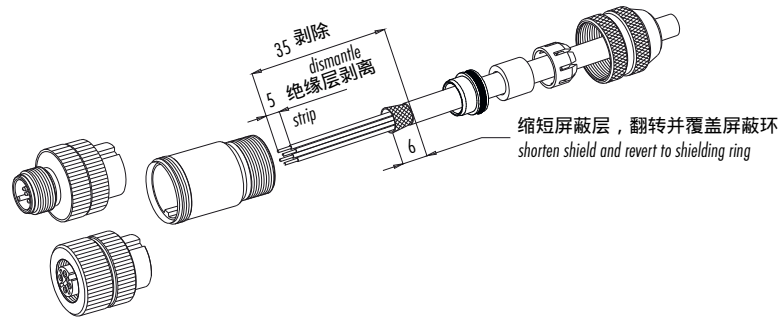
芯数 Contacts	电缆出口直径 Cable outlet	订货号 Ordering-No.
4	5-8 mm	99 3728 820 04

技术参数 / Specifications

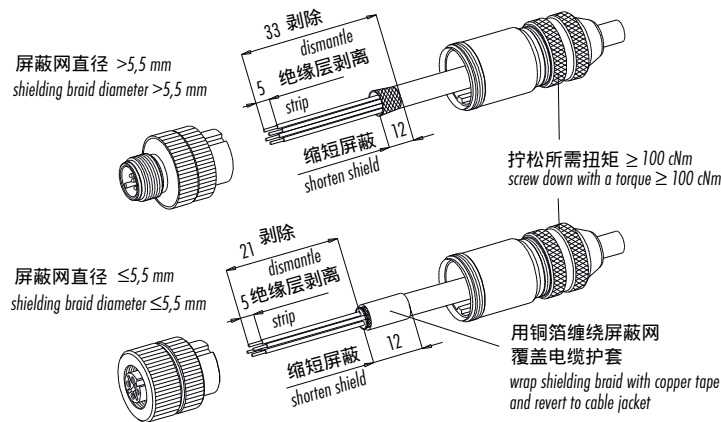
芯数	4	Number of contacts
锁紧方式	M12 螺母锁紧 / screw	Connector locking system
接线方式	螺钉接线 / screw	Termination
导线截面	max. 0,75 mm ² (max. AWG 20)	Wire gauge
电缆出口直径	6-8 mm, 5-8 mm	Cable outlet
防护等级	IP67	Degree of protection
插拔周期	>100插拔周期 / > 100 mating cycles	Mechanical operation
最高工作温度	+ 85 °C	Upper temperature
最低工作温度	- 40 °C	Lower temperature
额定电压	250 V	Rated voltage
额定冲击电压	2500 V	Rated impulse voltage
污染等级	3	Pollution degree
过电压等级	II	Overvoltage categorie
绝缘等级	III	Material group
额定电流 (40 °C)	4 A	Rated current (40 °C)
触点电阻	≤ 3 mΩ	Contact resistance
插针材料	CuSn (青铜 / brass)	Material of contact
插针表面材料	Au (金 / gold)	Contact plating
插头主体材料	PA	Material of contact body
外壳材料	铸锌镀镍 / zinc diecasting nickel plated	Material of housing

安装指南
Assembly instruction

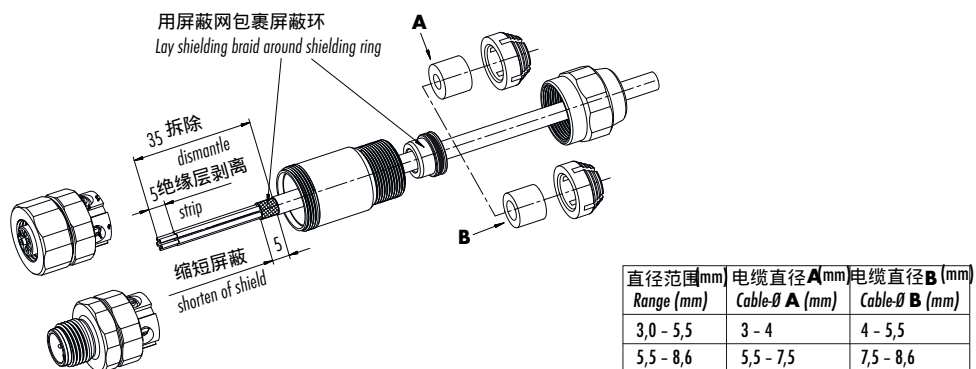
电缆连接器，带屏蔽环，屏蔽
Strip measures cable connectors, with shielding ring, shieldable



电缆连接器，带IRIS弹簧，屏蔽
Strip measures cable connectors, iris type spring, shieldable

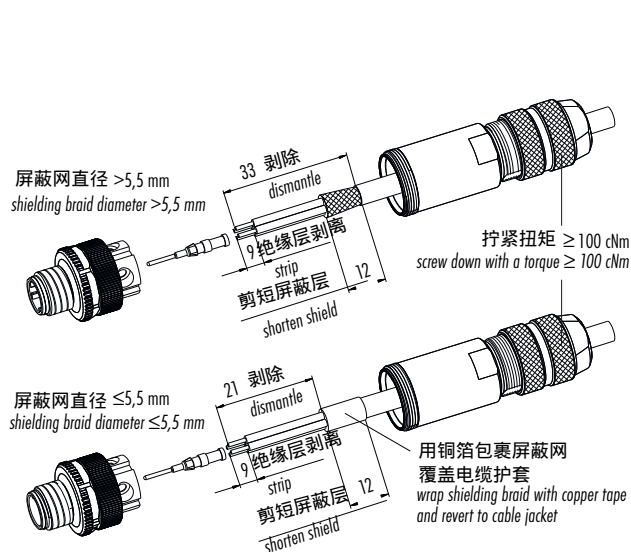


电缆连接器，不锈钢版本，屏蔽
Strip measures cable connectors, stainless steel version, shieldable



安装指南
Assembly instruction

电缆连接器，压接，屏蔽
Strip measures male cable connector, crimp connection, shieldable



屏蔽层直径 $\leq 5,5$ mm

1. 将电缆穿过外壳。
2. 剥开内外绝缘层，并缩短屏蔽层，翻转覆盖电缆护套并用铜箔缠绕。
3. 把插针压接到单根导线上
4. 安装4根插针。
5. 把外壳和针式或孔式插针载体旋紧并锁紧压紧螺母。

屏蔽层直径 >5,5 mm

1. 将电缆穿过外壳。
2. 剥开内外绝缘层，并缩短屏蔽层，翻转覆盖电缆护套并用铜箔缠绕。
3. 把插针压接到单根导线上
4. 安装4根插针
5. 把外壳和针式或孔式插针载体旋紧并锁紧压紧螺母。

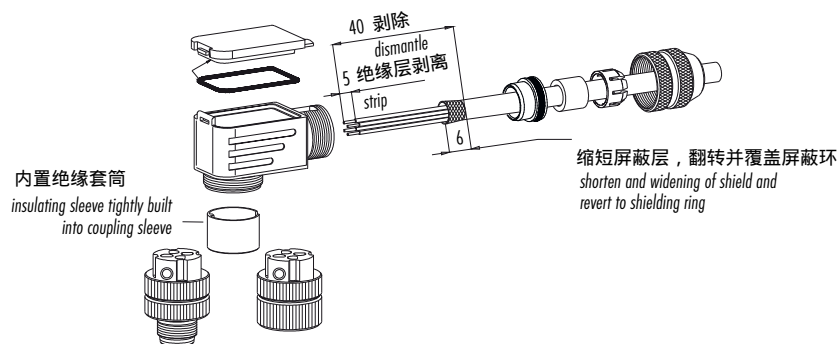
Shielding braid diameter $\leq 5,5$ mm

1. Bead housing to cable.
2. Cut off cable coating, strip single cores, shorten shielding braid, revert to cable jacket and wrap it with copper tape.
3. Connect single wires (crimp).
4. Assemble 4 contacts.
5. Screw housing to male or female contact carrier and fix pressing screw.

Shielding braid diameter >5,5 mm

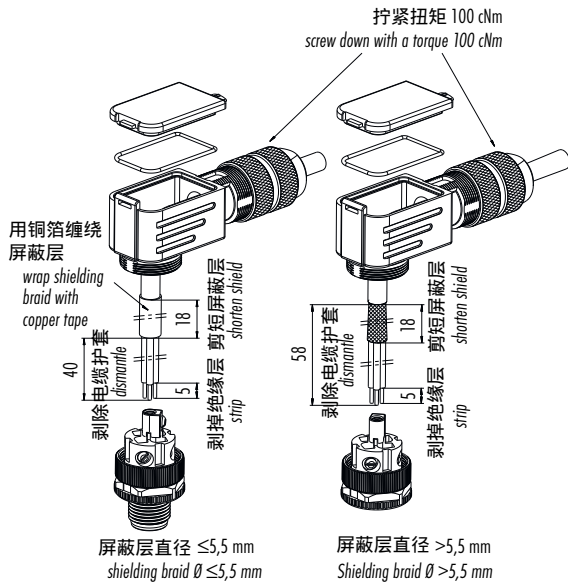
1. Bead housing to cable.
2. Cut off cable coating, strip single cores, shorten shielding braid.
3. Connect single wires (crimp).
4. Assemble 4 contacts.
5. Screw housing to male or female contact carrier and fix pressing screw.

弯角电缆连接器，带屏蔽环，屏蔽
Strip measures angled connectors, with shielding ring, shieldable



安装指南
Assembly instruction

弯角电缆连接器，带IRIS弹簧，屏蔽
Strip measures angled connectors, iris type spring, shieldable



屏蔽层直径 ≤ 5,5 mm

1. 将电缆穿过外壳。
2. 剥除电缆护套和导线绝缘层，剪短屏蔽层，翻转覆盖电缆护套并用铜箔缠绕。
3. 把插针连接到导线上。
4. 把外壳和针式或孔式插针载体旋紧。
5. 从出线口向后拉电缆，直至可见2mm屏蔽层。
6. 盖上密封件并锁紧压紧螺母。

屏蔽层直径 > 5,5 mm

1. 将电缆穿过外壳。
2. 剥除电缆护套和导线绝缘层，剪短屏蔽层。
3. 把插针连接到导线上
4. 把外壳和针式或孔式插针载体旋紧。
5. 从出线口向后拉电缆，直至可见2mm屏蔽层。
6. 盖上密封件并锁紧压紧螺母。

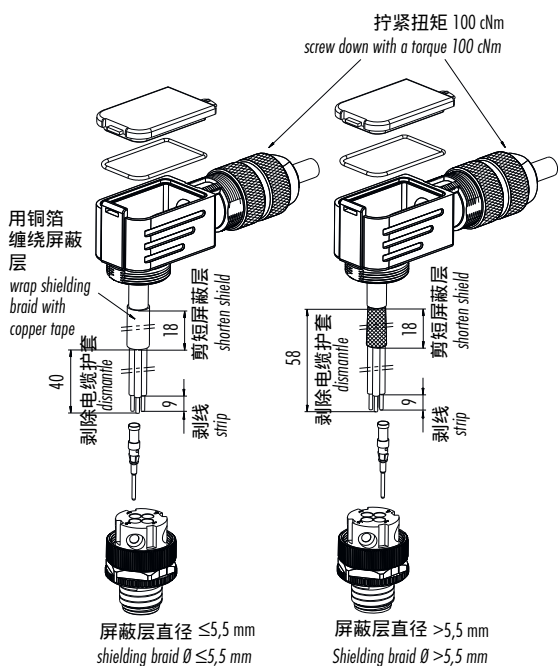
Shielding braid diameter ≤ 5,5 mm

1. Bead housing to cable.
2. Cut off cable coating, strip single cores, shorten shielding braid, revert to cable jacket and wrap it with copper tape.
3. Connect single wires.
4. Screw housing to male or female contact carrier.
5. Pull back the cable through the outlet until only 2 mm of the shielding braid are visible.
6. Mount lid with seal and fix pressing screw.

Shielding braid diameter > 5,5 mm

1. Bead housing to cable.
2. Cut off cable coating, strip single cores, shorten shielding braid.
3. Connect single wires.
4. Screw housing to male or female contact carrier.
5. Pull back the cable through the outlet until only 2 mm of the shielding braid are visible.
6. Mount lid with seal and fix pressing screw.

弯角电缆连接器，压接，屏蔽
Strip measures male angled connector, crimp connection, shieldable



屏蔽层直径 ≤ 5,5 mm

1. 将电缆穿过外壳。
2. 剥除电缆护套和导线绝缘层，剪短屏蔽层，翻转覆盖电缆护套并用铜箔缠绕。
3. 把插针连接到导线上（压接）。
4. 安装4根插针。
5. 把外壳和针式或孔式插针载体旋紧。
6. 从出线口向后拉电缆，直至可见2mm屏蔽层。
7. 盖上密封件并锁紧压紧螺母。

屏蔽层直径 > 5,5 mm

1. 将电缆穿过外壳。
2. 剥除电缆护套和导线绝缘层，剪短屏蔽层。
3. 把插针连接到导线上（压接）。
4. 安装4根插针。
5. 把外壳和针式或孔式插针载体旋紧。
6. 从出线口向后拉电缆，直至可见2mm屏蔽层。
7. 盖上密封件并锁紧压紧螺母。

Shielding braid diameter ≤ 5,5 mm

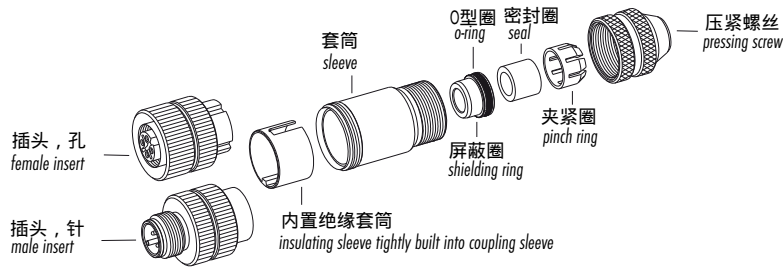
1. Bead housing to cable.
2. Cut off cable coating, strip single cores, shorten shielding braid, revert to cable jacket and wrap it with copper tape.
3. Connect single wires (crimp).
4. Assemble 4 contacts.
5. Screw housing to male or female contact carrier.
6. Pull back the cable through the outlet until only 2 mm of the shielding braid are visible.
7. Mount lid with seal and fix pressing screw.

Shielding braid diameter > 5,5 mm

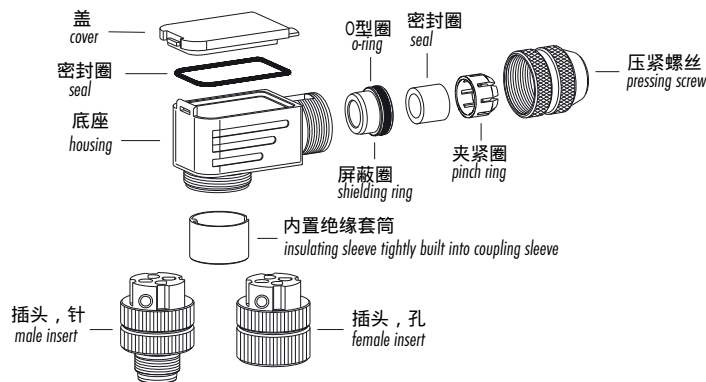
1. Bead housing to cable.
2. Cut off cable coating, strip single cores, shorten shielding braid.
3. Connect single wires (crimp).
4. Assemble 4 contacts.
5. Screw housing to male or female contact carrier.
6. Pull back the cable through the outlet until only 2 mm of the shielding braid are visible.
7. Mount lid with seal and fix pressing screw.

零件图样
Component part drawing

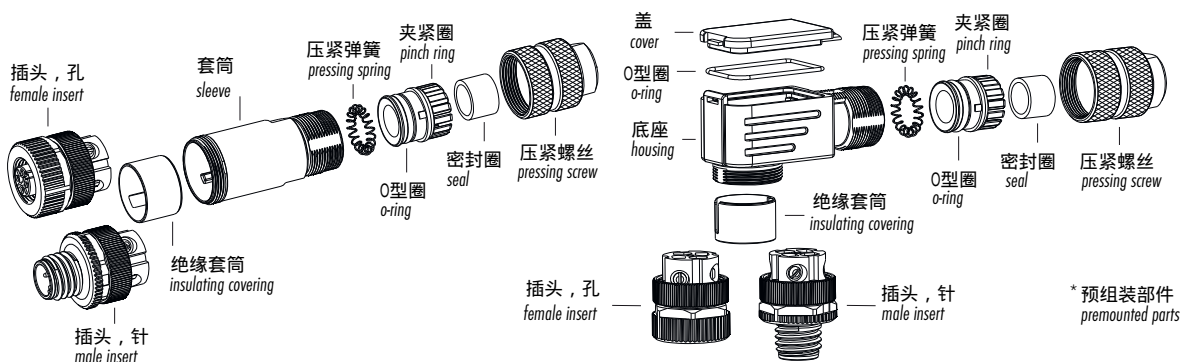
电缆连接器，螺钉接线，带屏蔽圈，屏蔽
Cable connectors, screw clamp connection, with shielding ring, shieldable



弯角电缆连接器，螺钉接线，带屏蔽圈，屏蔽
Angled connectors, screw clamp connection, with shielding ring, shieldable



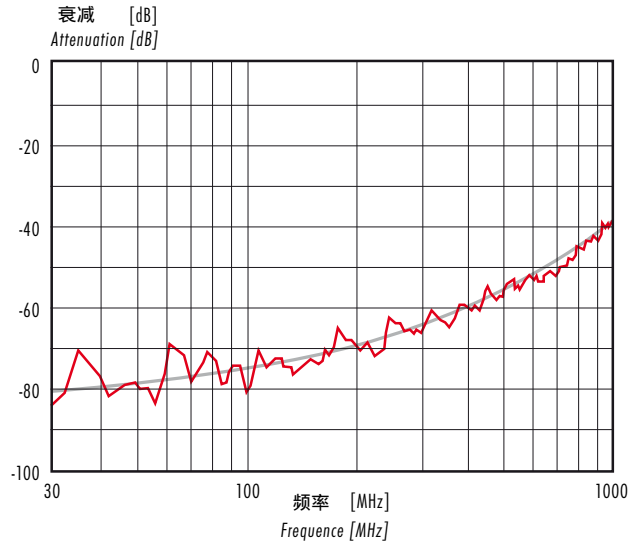
电缆连接器，螺钉接线，带IRIS弹簧，屏蔽
Cable connectors, screw clamp connection, iris type spring, shieldable



额定
Ratings

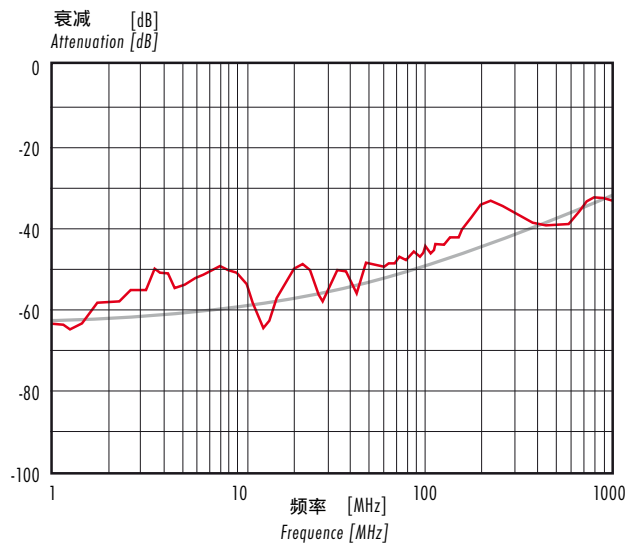
符合 DIN 47250-6 标准的衰变曲线
适用于直头电缆连接器
螺钉接线
(电缆系列 IEEE 802.3)

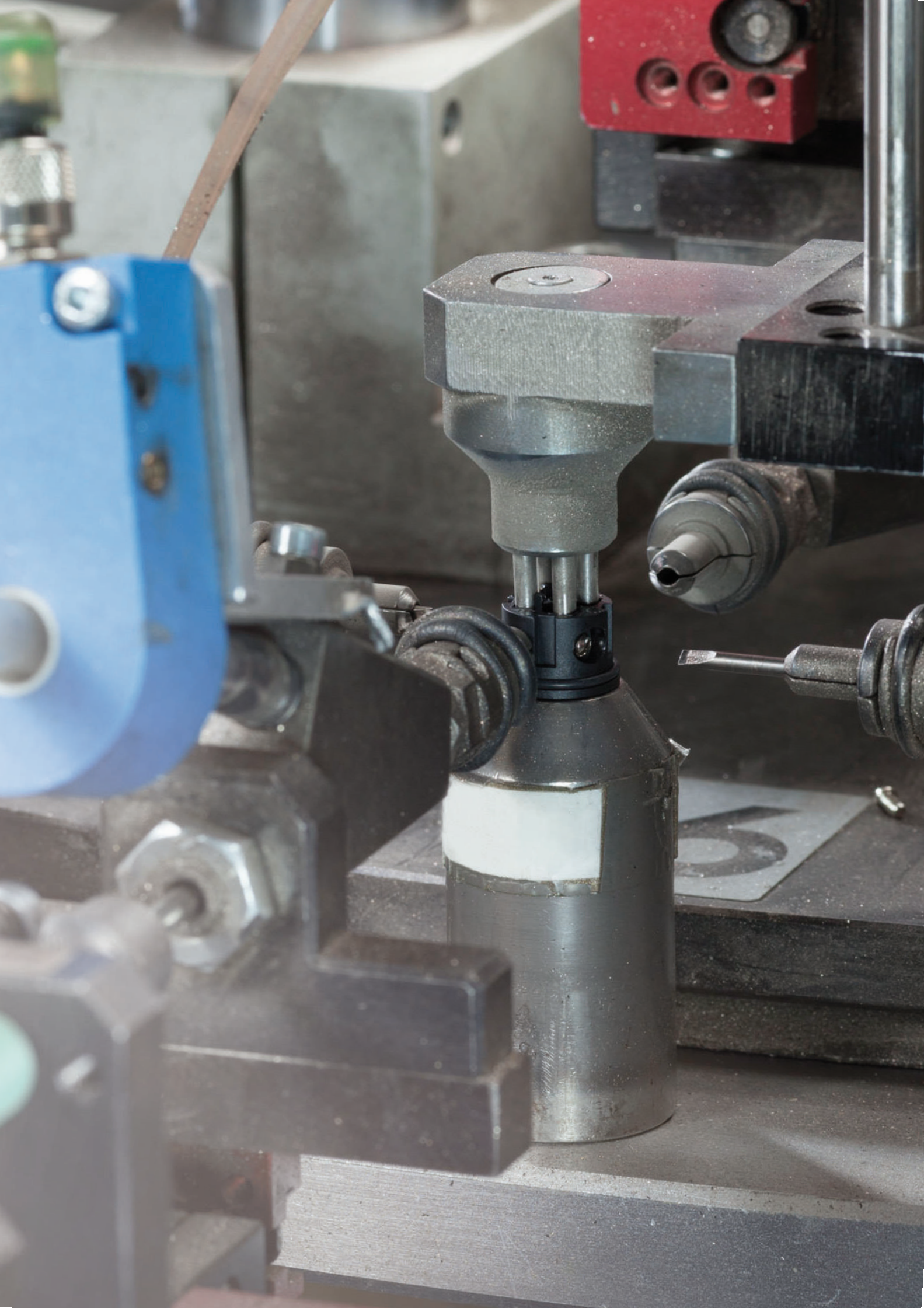
Attenuation curve according to DIN 47250-6
for straight cable connectors
with screw clamp connection,
(cable version IEEE 802.3)



符合 DIN 47250-6 标准的衰变曲线
适用于直头电缆连接器
带 IRIS 弹簧
(电缆系列 IEEE 802.3)

Attenuation curve according to DIN 47250-6
for straight cable connectors
with iris type spring,
(cable version IEEE 802.3)





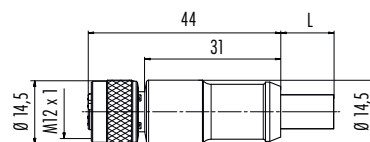
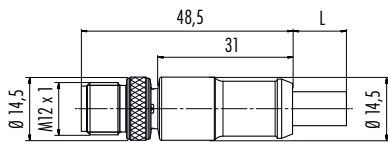
浇铸电缆连接器，针 PROFINET
Male cable connector, PROFINET

浇铸电缆连接器，孔 PROFINET
Female cable connector, PROFINET

图例 / Figure



尺寸图 / Drawing



订货信息 / Order Data

芯数 Contacts	电缆长度 Cable length	订货号 Ordering-No.
4	2 m	77 4529 0000 50704-0200
	5 m	77 4529 0000 50704-0500
	10 m	77 4529 0000 50704-1000

芯数 Contacts	电缆长度 Cable length	订货号 Ordering-No.
4	2 m	77 4530 0000 50704-0200
	5 m	77 4530 0000 50704-0500
	10 m	77 4530 0000 50704-1000

技术参数 / Specifications

芯数	4	Number of contacts
锁紧方式	M12 螺母锁紧 / screw	Connector locking system
接线方式	压接，浇铸电缆 / crimp, moulded	Termination
导线截面	0,34 mm ² (AWG 22)	Wire gauge
电缆出口直径	—	Cable outlet
防护等级	IP67	Degree of protection
插拔周期	>100 插拔周期 / > 100 mating cycles	Mechanical operation
最高工作温度	+ 85 °C	Upper temperature
最低工作温度	- 25 °C	Lower temperature
额定电压	250 V	Rated voltage
额定冲击电压	2500 V	Rated impulse voltage
污染等级	3	Pollution degree
过电压等级	II	Overvoltage categorie
绝缘等级	II	Material group
额定电流 (40 °C)	4 A	Rated current (40 °C)
触点电阻	≤ 3 mΩ	Contact resistance
插针材料	针 / pin CuZn (黄铜 / brass) 孔 / socket CuSn (青铜 / bronze)	Material of contact
插针表面材料	Au (金 / gold)	Contact plating
插头主体材料	PUR	Material of contact body
外壳材料	PUR	Material of housing

电缆技术参数
Specifications

PROFINET电缆
PROFINET cable

芯数	4	Number of contacts
导线截面mm ² ¹⁾	2 x 2 x AWG 22	Wire gauge mm ² ¹⁾
电缆护套材料	PUR	Material jacket
导线绝缘层	Polyolefin	Insulation wire
导线规格 (mm)	7 x 0,34 (AWG 22)	Design of wire (mm)
电缆外壳 (mm)	6,7	Cable jacket (mm)
导线电阻	55 Ω/Km (20 °C)	Resistance of wire
工作温度范围 (电缆运动)	- 20 °C /+ 60 °C	Temperature range (cable in move)
工作温度范围 (电缆静止)	- 40 °C /+ 80 °C	Temperature range (cable not in move)
弯曲半径 (电缆运动)	min. 15 x d	Bending radius (cable in move)
弯曲半径 (电缆静止)	min. 5 x d	Bending radius (cable not in move)
弯曲周期	2 Mio.	Bending cycles (at 10 x D)
允许加速度	2 m/s ²	Permitted acceleration
水平移动 5 m/s	5 m	Traverse path horizontal 5 m/s ²
垂直移动 5 m/s	5 m	Traverse path vertical 5 m/s ²
移动速度	Bei 5 m horizontalem Weg bis 200 m/min./At 5 m horizontal traverse up to 200 m/min.	Traverse speed
备注	In der Schleppkette oder bei mechanischer Beanspruchung +60 °C./In chain flex application or when stressed mechanically +60 °C.	Remark
认证	PROFINET, UL/CSA	Approval
UL 类型	AWM 20236	UL-style

¹⁾ 与AWG的兼容性参见技术参数 ¹⁾ Comparable AWG conductors see technical information.

PCB 面板安装连接器，针，直头
Male receptacle for PCB assembly

PCB 面板安装连接器，针，弯头
Male angled receptacle for PCB assembly

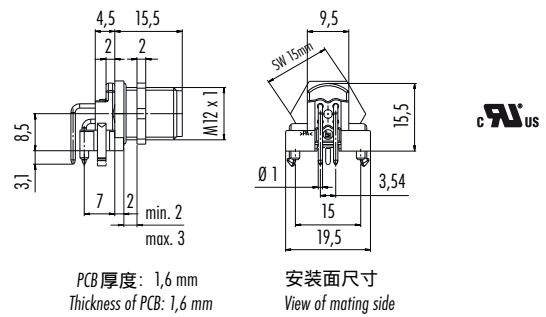
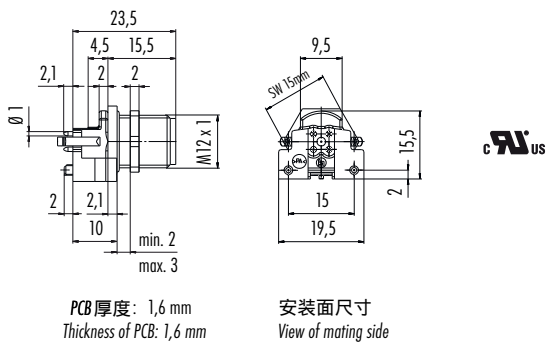
图例 / Figure



开孔图请见626页
Drilling schemes see page 626

开孔图请见626页
Drilling schemes see page 626

尺寸图 / Drawing



订货信息 / Order Data

芯数 Contacts	订货号 Ordering-No.
4	99 3731 200 04
	99 3731 201 04 带屏蔽片 / with shielding sheet

芯数 Contacts	订货号 Ordering-No.
4	99 3731 202 04
	99 3731 203 04 带屏蔽片 / with shielding sheet

技术参数 / Specifications

芯数	4	Number of contacts
锁紧方式	M12 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	IP67	Degree of protection
插拔周期	>100 插拔周期 / > 100 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	Rated voltage
额定冲击电压	2500 V	Rated impulse voltage
污染等级	3	Pollution degree
过电压等级	II	Overvoltage categorie
绝缘等级	II	Material group
额定电流 (40 °C)	4 A	Rated current (40 °C)
触点电阻	≤ 3 mΩ	Contact resistance
插针材料	CuZn (黄铜 / brass)	Material of contact
插针表面材料	Au (金 / gold)	Contact plating
插头主体材料	PA	Material of contact body
外壳材料	CuZn (黄铜镀镍 / brass nickel plated)	Material of housing

面板安装连接器，针，M16，带 PROFINET 电缆，屏蔽
Male panel mount connector M16, with PROFINET-cable, shielded

面板安装连接器，针，板前固定，带 PROFINET 电缆，屏蔽
Male panel mount connector, front fastened, with PROFINET-cable, shielded

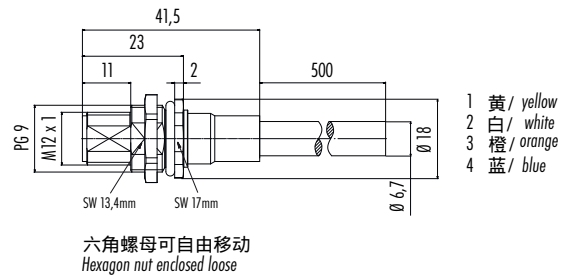
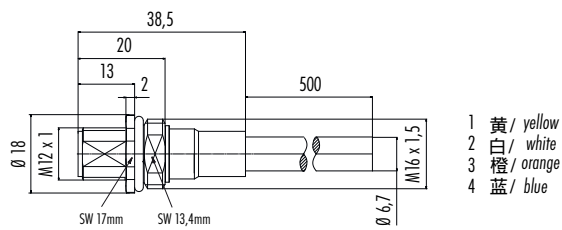
图例 / Figure



PROFINET 电缆技术参数见第616页
Specifications of PROFINET-cable see page 616

PROFINET 电缆技术参数见第616页
Specifications of PROFINET-cable see page 616

尺寸图 / Drawing



订货信息 / Order Data

芯数 Contacts	电缆长度 Cable length	安装螺纹规格 Fixing thread	订货号 Ordering-No.
4	0,5 m	M16 x 1,5	70 3733 705 04

芯数 Contacts	电缆长度 Cable length	安装螺纹规格 Fixing thread	订货号 Ordering-No.
4	0,5 m	PG 9	70 3733 706 04

技术参数 / Specifications

芯数	4	Number of contacts
锁紧方式	M12 螺母锁紧 / screw	Connector locking system
接线方式	PUR 电缆 / PUR-cable	Termination
导线截面	AWG 22	Wire gauge
电缆出口直径	cable diameter 6,7 mm	Cable outlet
防护等级	IP67	Degree of protection
插拔周期	>100 插拔周期 / > 100 mating cycles	Mechanical operation
最高工作温度	+ 60 °C	Upper temperature
最低工作温度	- 20 °C	Lower temperature
额定电压	250 V	Rated voltage
额定冲击电压	2500 V	Rated impulse voltage
污染等级	3	Pollution degree
过电压等级	II	Overvoltage categorie
绝缘等级	II	Material group
额定电流 (40 °C)	4 A	Rated current (40 °C)
触点电阻	≤ 3 mΩ	Contact resistance
插针材料	CuZn (黄铜 / brass)	Material of contact
插针表面材料	Au (金 / gold)	Contact plating
插头主体材料	PA	Material of contact body
外壳材料	CuZn(黄铜镀镍 / brass) 铸锌镀镍 / zinc diecasting nickel plated	Material of housing

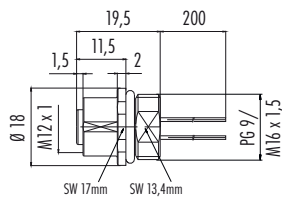
面板安装连接器，孔，带连接线
Female panel mount connector with single wires

面板安装连接器，孔，板前固定，带连接线
Female panel mount connector, front fastened, with single wires

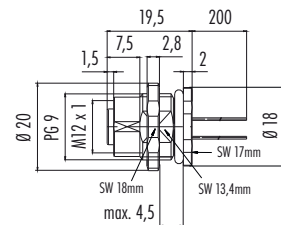
图例 / Figure



尺寸图 / Drawing



铸锌外壳系列
Version with zinc diecast housing



铸锌外壳系列
Version with zinc diecast housing

订货信息 / Order Data

芯数 Contacts	安装螺纹规格 Fixing thread	订货号 Ordering-No.
4	PG 9	09 3732 00 04
	M16 x 1,5	09 3732 700 04

芯数 Contacts	安装螺纹规格 Fixing thread	订货号 Ordering-No.
4	PG 9	09 3732 87 04

技术参数 / Specifications

芯数	4	Number of contacts
锁紧方式	M12 螺母锁紧 / screw	Connector locking system
接线方式	已装配连接线 / single wires	Termination
导线截面	max. 0,25 mm ² (max. AWG 24)	Wire gauge
电缆出口直径	—	Cable outlet
防护等级	IP67	Degree of protection
插拔周期	>100插拔周期 / > 100 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	Rated voltage
额定冲击电压	2500 V	Rated impulse voltage
污染等级	3	Pollution degree
过电压等级	II	Overvoltage categorie
绝缘等级	II	Material group
额定电流 (40 °C)	4 A	Rated current (40 °C)
触点电阻	≤ 3 mΩ	Contact resistance
插针材料	CuSn (青铜 / bronze)	Material of contact
插针表面材料	Au (金 / gold)	Contact plating
插头主体材料	PA	Material of contact body
外壳材料	铸锌镀镍 / zinc diecasting nickel plated	Material of housing

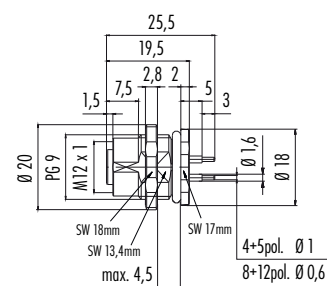
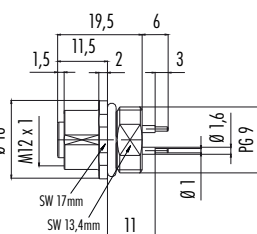
面板安装连接器，孔，浸焊
Female panel mount connector, dip solder

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

图例 / Figure



尺寸图 / Drawing



订货信息 / Order Data

芯数 Contacts	安装螺纹规格 Fixing thread	订货号 Ordering-No.
4	PG 9	09 3732 88 04

芯数 Contacts	安装螺纹规格 Fixing thread	订货号 Ordering-No.
4	PG 9	09 3732 90 04

技术参数 / Specifications

芯数	4	Number of contacts
锁紧方式	M12 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	IP67	Degree of protection
插拔周期	>100插拔周期 / > 100 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	Rated voltage
额定冲击电压	2500 V	Rated impulse voltage
污染等级	3	Pollution degree
过电压等级	II	Overvoltage categorie
绝缘等级	II	Material group
额定电流 (40 °C)	4 A	Rated current (40 °C)
触点电阻	≤ 3 mΩ	Contact resistance
插针材料	CuSn (青铜 / bronze)	Material of contact
插针表面材料	Au (金 / gold)	Contact plating
插头主体材料	PA	Material of contact body
外壳材料	铸锌镀镍 / zinc diecasting nickel plated	Material of housing

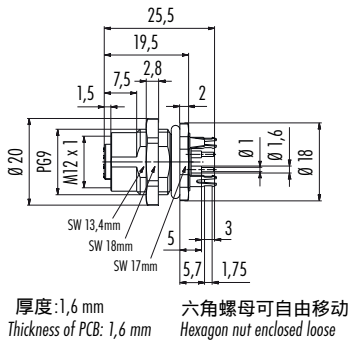
面板安装连接器，孔，板前固定，浸焊，带屏蔽片
Female panel mount connector, front fastened, dip solder, with shielding sheet

图例 / Figure



开孔图请见626页
Drilling schemes see page 626

尺寸图 / Drawing



订货信息 / Order Data

芯数 Contacts	安装螺纹规格 Fixing thread	订货号 Ordering-No.
4	PG 9	09 3732 500 04

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技术参数 / Specifications

芯数	4	Number of contacts
锁紧方式	M12 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	IP67	Degree of protection
插拔周期	>100插拔周期 / > 100 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	Rated voltage
额定冲击电压	2500 V	Rated impulse voltage
污染等级	3	Pollution degree
过电压等级	II	Overvoltage categorie
绝缘等级	II	Material group
额定电流 (40 °C)	4 A	Rated current (40 °C)
触点电阻	≤ 3 mΩ	Contact resistance
插针材料	CuSn (青铜 / bronze)	Material of contact
插针表面材料	Au (金 / gold) 屏蔽片 / shielding sheet Sn (锡 / tin)	Contact plating
插头主体材料	PA	Material of contact body
外壳材料	CuZn (黄铜镀镍 / brass)	Material of housing

PCB 面板安装连接器，孔，直头
Female receptacle for PCB assembly

PCB 面板安装连接器，孔，弯头
Female angled receptacle for PCB assembly

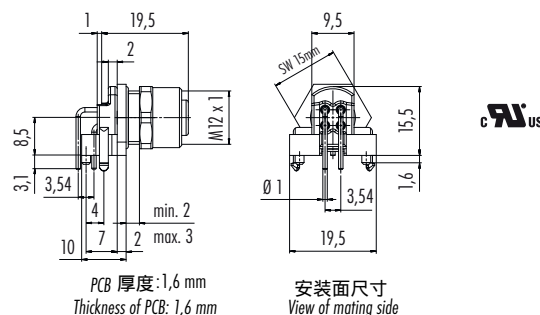
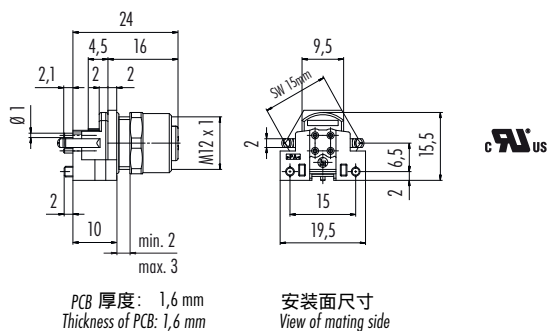
图例 / Figure



开孔图请见626页
Drilling schemes see page 626

开孔图请见626页
Drilling schemes see page 626

尺寸图 / Drawing



订货信息 / Order Data

芯数 Contacts	订货号 Ordering-No.
4	99 3732 200 04
	99 3732 201 04 带屏蔽片 with shielding sheet

芯数 Contacts	订货号 Ordering-No.
4	99 3732 202 04
	99 3732 203 04 带屏蔽片 with shielding sheet

技术参数 / Specifications

芯数	4	Number of contacts
锁紧方式	M12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	IP67	Degree of protection
插拔周期	>100插拔周期 / > 100 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	Rated voltage
额定冲击电压	2500 V	Rated impulse voltage
污染等级	3	Pollution degree
过电压等级	II	Overvoltage categorie
绝缘等级	II	Material group
额定电流 (40 °C)	4 A	Rated current (40 °C)
触点电阻	≤ 3 mΩ	Contact resistance
插针材料	CuSn (青铜 / bronze)	Material of contact
插针表面材料	Au (金 / gold)	Contact plating
插头主体材料	PA	Material of contact body
外壳材料	CuZn (黄铜镀镍 / brass nickel plated)	Material of housing

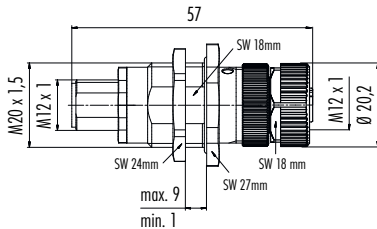
转接头，可贯穿控制柜，带屏蔽
Adapter lead-through for control cabinet, shielded

转接头，可贯穿控制柜，孔/孔，带屏蔽
Adapter lead-through for control cabinet, female/female, shielded

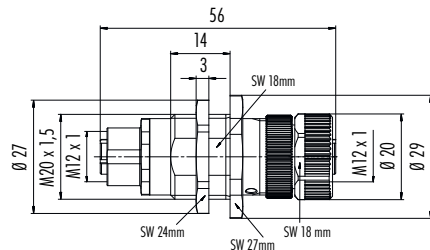
图例 / Figure



尺寸图 / Drawing



us



us

订货信息 / Order Data

芯数 Contacts	订货号 Ordering-No.
4	09 5245 00 04

芯数 Contacts	订货号 Ordering-No.
4	09 5246 00 04

技术参数 / Specifications

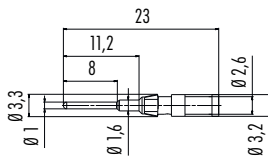
芯数	4	Number of contacts
锁紧方式	M12 螺母锁紧 / screw	Connector locking system
接线方式	—	Termination
导线截面	—	Wire gauge
电缆出口直径	—	Cable outlet
防护等级	IP67	Degree of protection
插拔周期	>100插拔周期 / > 100 mating cycles	Mechanical operation
最高工作温度	+ 85 °C	Upper temperature
最低工作温度	- 40 °C	Lower temperature
额定电压	250 V	Rated voltage
额定冲击电压	2500 V	Rated impulse voltage
污染等级	3	Pollution degree
过电压等级	II	Overvoltage categorie
绝缘等级	III	Material group
额定电流 (40 °C)	4 A	Rated current (40 °C)
触点电阻	≤ 3 mΩ	Contact resistance
插针材料	CuSn (青铜 / brass)	Material of contact
插针表面材料	Au (金 / gold)	Contact plating
插头主体材料	PA	Material of contact body
外壳材料	铸锌镀镍 / zinc diecasting nickel plated	CuZn (黄铜镀镍 / brass nickel plated)

针触点，100只为单位
Male contact, PU 100 pieces

图例 / Figure



尺寸图 / Drawing



订货信息 / Order Data

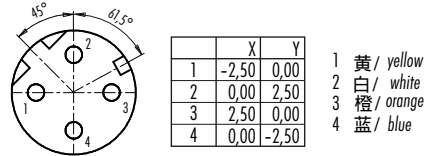
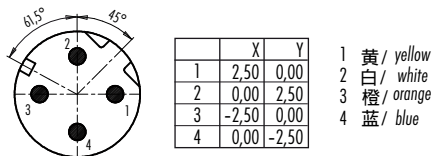
电缆规格 For wire gauge	AWG AWG	订货号 Ordering-No.
0,34 mm ² – 0,5 mm ²	22–20	61 1154 146

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)

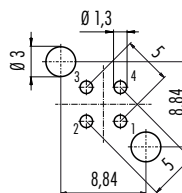
4 芯
4 contacts



插针钻孔分布图(PCB)，针，带屏蔽片
Drilling schemes male insert (PCB), shielding sheet

插针钻孔分布图(PCB)，孔，带屏蔽片
Drilling schemes female insert (PCB), shielding sheet

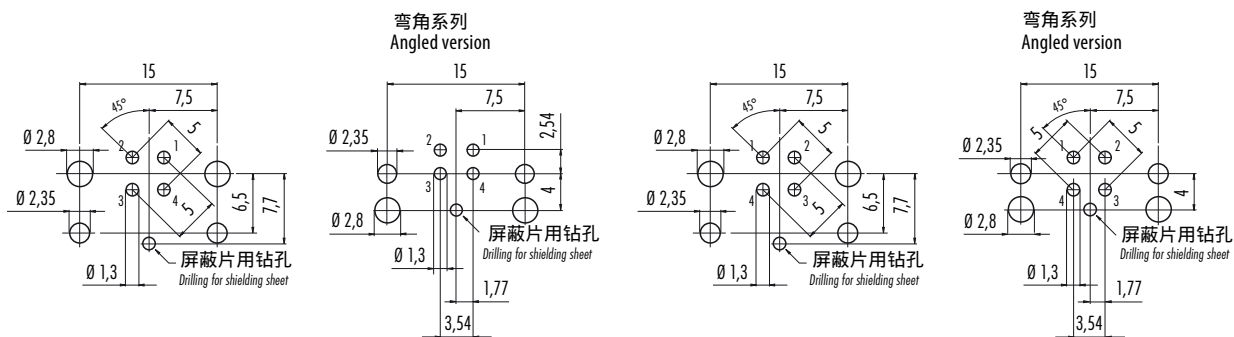
4 芯
4 contacts



插针钻孔分布图(PCB)，针
Drilling schemes male insert (PCB), receptacles

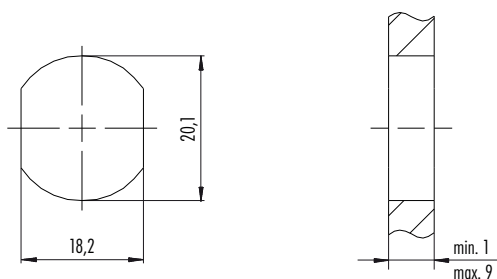
插针钻孔分布图(PCB)，孔
Drilling schemes female insert (PCB), receptacles

4 芯
4 contacts



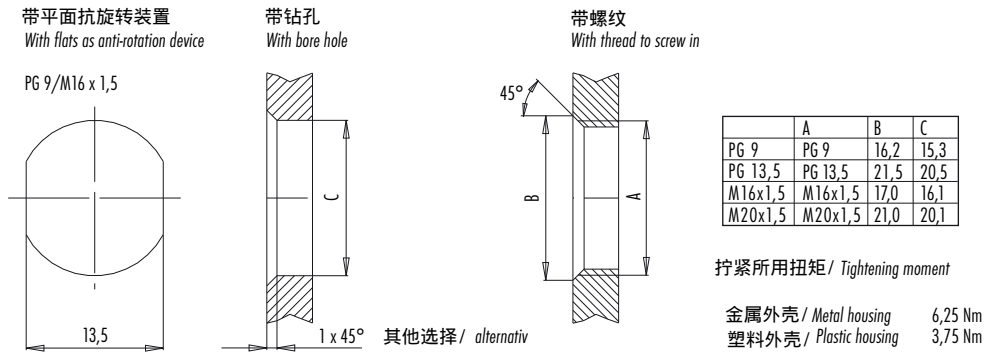
安装截面
Panel cut out

控制柜开孔
Lead-through for control cabinet with bore hole

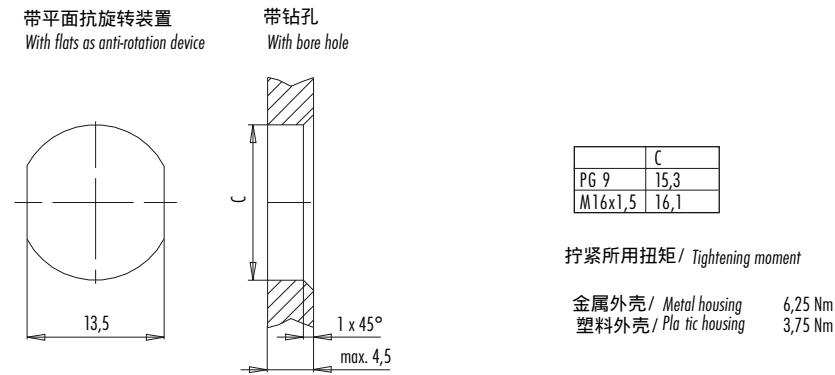


安装截面
Panel cut out

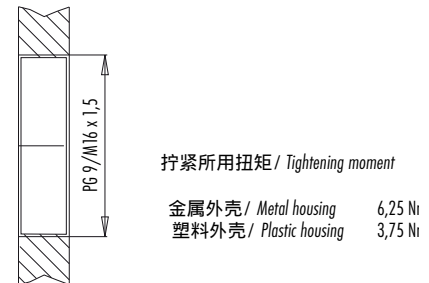
面板安装连接器
Panel mount connectors



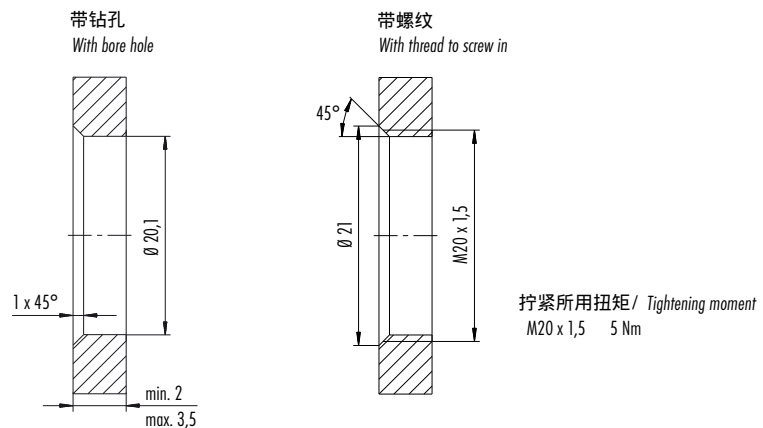
面板安装连接器，板前固定
Panel mount connectors, front fastened



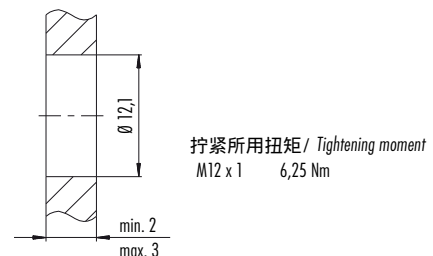
面板安装连接器，位置可调
Panel mount connectors positioning possible

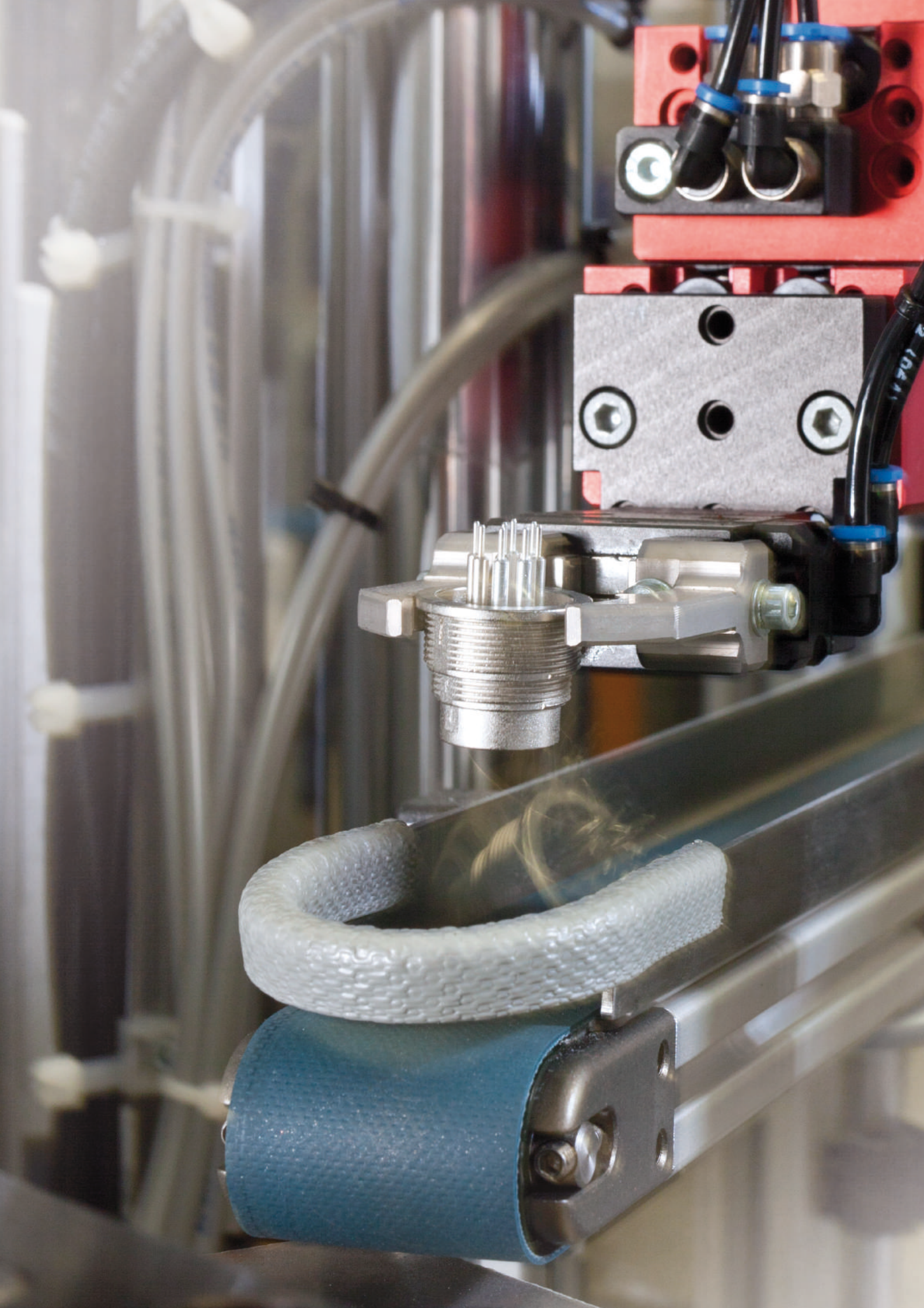


面板安装连接器，螺钉接线
Panel mount connectors screw clamp connection



面板安装连接器，带M12 x 1安装螺纹
Panel mount connectors with M12 x 1 thread

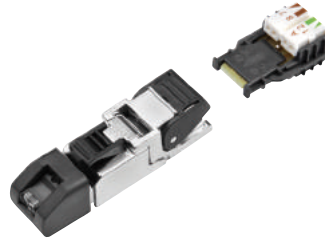




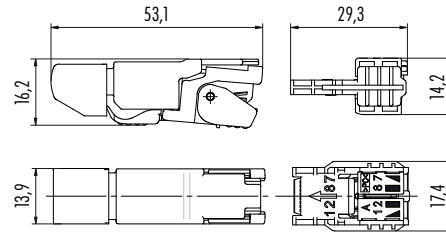
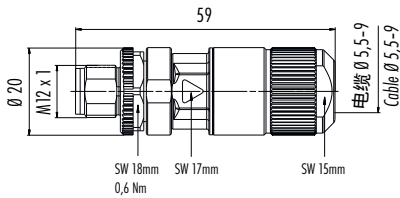
电缆连接器，针，X扣，IDT连接，屏蔽
Male cable connector with X-coding, IDT connection, shieldable

RJ45连接器，屏蔽
RJ45 connector, shieldable

图例 / Figure



尺寸图 / Drawing



订货信息 / Order Data

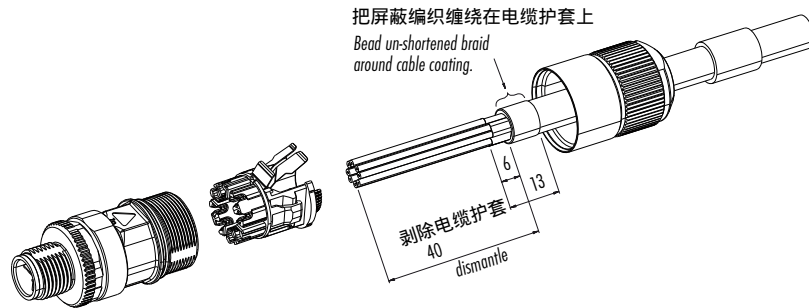
芯数 Contacts	电缆出口直径 Cable outlet	订货号 Ordering-No.
8	5,5-9 mm	99 3787 810 08

芯数 Contacts	电缆出口直径 Cable outlet	导线规格 Wire gauge	连接标准 Connection standard	订货号 Ordering-No.
8	5-9 mm	AWG 26/1-AWG 24/1 AWG 27/7-AWG 24/7	TIA 568 A	99 9687 805 08
		AWG 24/1-AWG 22/1 AWG 27/7-AWG 22/7	TIA 568 A	99 9687 810 08
			TIA 568 B	99 9687 814 08

技术参数 / Specifications

芯数	8	8	Number of contacts
锁紧方式	M12 螺母锁紧 / screw	插入式锁紧 / snap locking	Connector locking system
接线方式	IDT接线 / IDT connection	穿透技术 / piercing technology	Termination
导线截面	AWG 27-AWG 22	AWG 27-AWG 22	Wire gauge
电缆出口直径	5,5-9 mm	5-9 mm	Cable outlet
防护等级	IP67	IP20	Degree of protection
插拔周期	>100插拔周期 / > 100 mating cycles	>750插拔周期 / > 750 mating cycles	Mechanical operation
最高工作温度	+ 85 °C	+ 85 °C	Upper temperature
最低工作温度	- 40 °C	- 40 °C	Lower temperature
额定电压	50 V AC, 60 V DC	50 V DC	Rated voltage
额定冲击电压	CAT 6 _n	CAT 6 _n	Transmission characteristic
污染等级	3	2	Pollution degree
过电压等级	II	III	Overvoltage categorie
绝缘等级	II	III a	Material group
额定电流 (40 °C)	0,5 A	1,3 A	Rated current (40 °C)
触点电阻	≤ 10 mΩ	≤ 20 mΩ	Contact resistance
插针材料	CuZn (黄铜 / brass)	弹簧钢 / spring steel	Material of contact
插针表面材料	Au (金 / gold)	Au (金 / gold)	Contact plating
插头主体材料	PA	PC	Material of contact body
外壳材料	CuZn(黄铜镀镍 / brass nickel plated) 铸锌镀镍 / zinc diecasting nickel plated	铸锌镀镍 / zinc diecasting nickel plated	Material of housing

安装指南
Assembly instruction

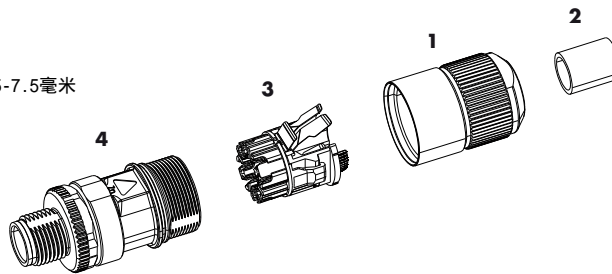


部件图
Component part drawing

电缆连接器
Cable connectors

1. 压紧螺母
2. 额外的密封圈-适用于电缆外径5.5-7.5毫米
3. 导线管理器
4. 针式插件

1. Premounted pressing screw.
2. Additional sealing for cable-Ø 5.5-7.5 mm.
3. Wire manager.
4. Male insert.



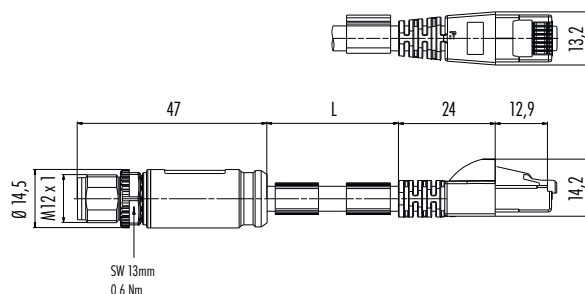
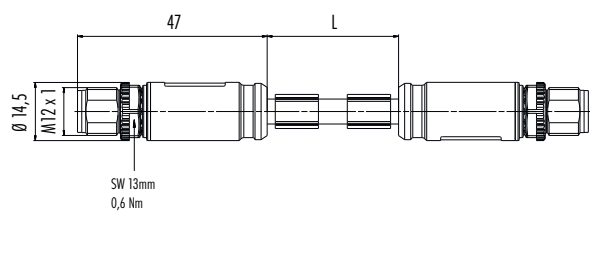
连接电缆，双头针式电缆连接器，M12X1，屏蔽
Connecting cable, 2 male cable connectors M12 x 1, shielded

连接电缆，M12针式电缆连接器 - RJ45 连接器，屏蔽
Connecting cable, male cable connector M12 x 1 - RJ45 connector, shielded

图例 / Figure



尺寸图 / Drawing



订货信息 / Order Data

芯数 Contacts	电缆护套 Cable jacket	电缆长度 Cable length	订货号 Ordering-No.
8	PUR	2 m	79 9722 020 08
		5 m	79 9722 050 08
		10 m	79 9722 100 08

芯数 Contacts	电缆护套 Cable jacket	电缆长度 Cable length	订货号 Ordering-No.
8	PUR	2 m	79 9723 020 08
		5 m	79 9723 050 08
		10 m	79 9723 100 08

技术参数 / Specifications

芯数	8	Number of contacts
锁紧方式	M12 螺母锁紧 / screw	Connector locking system
接线方式	压接，浇铸 / crimp, moulded	Termination
导线截面	AWG 26/7	Wire gauge
电缆出口直径	—	Cable outlet
防护等级	IP67	Degree of protection
插拔周期	>100插拔周期 / > 100 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	50 V AC, 60 V DC	Rated voltage
额定冲击电压	CAT 6 _A	Rated impulse voltage
污染等级	3	Pollution degree
过电压等级	II	Overvoltage categorie
绝缘等级	II	Material group
额定电流 (40 °C)	0,5 A	Rated current (40 °C)
触点电阻	≤ 10 mΩ	Contact resistance
插针材料	CuZn (黄铜 / brass)	Material of contact
插针表面材料	Au (金 / gold)	Contact plating
插头主体材料	PA	Material of contact body
外壳材料	PUR	Material of housing

电缆技术参数
Specifications

屏蔽电缆 S/FTP CAT7
Shielded cable S/FTP CAT 7

芯数	4 x 2	Number of contacts
导线截面mm ² ¹⁾	AWG 26/7	Wire gauge mm ² ¹⁾
电缆护套材料	PUR grün/green	Material jacket
导线绝缘层	PE	Insulation wire
导线规格 (mm)	7 x 0,16 (AWG 26)	Design of wire (mm)
电缆外壳 (mm)	6,2	Cable jacket (mm)
导线电阻	14,5 Ω/Km (20 °C)/100 m	Resistance of wire
工作温度范围 (电缆运动)	- 10 °C /+ 60 °C	Temperature range (cable in move)
工作温度范围 (电缆静止)	- 40 °C /+ 85 °C	Temperature range (cable not in move)
弯曲半径 (电缆运动)	≥ 50 mm	Bending radius (cable in move)
弯曲半径 (电缆静止)	≥ 25 mm	Bending radius (cable not in move)
认证	E 344985	Approval
外壳格栅	60 %	Cover screen grid

¹⁾ 与AWG的兼容性参见技术参数 ¹⁾ Comparable AWG conductors see technical information.

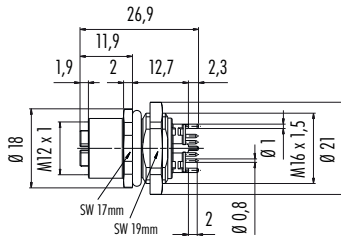
面板安装连接器，孔，X扣，浸焊
Female panel mount connector with X-coding, dip solder

面板安装连接器，孔，X扣，板前固定，浸焊
Female panel mount connector with X-coding, front fastened, dip solder

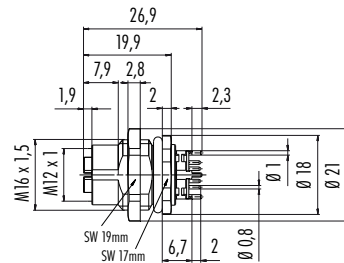
图例 / Figure



尺寸图 / Drawing



六角螺母松紧
Hexagon nut enclosed loose



六角螺母松紧
Hexagon nut enclosed loose



订货信息 / Order Data

芯数 Contacts	安装螺纹尺寸 Fixing thread	订货号 Ordering-No.
4	M16 x 1,5	09 3782 95 08

芯数 Contacts	安装螺纹尺寸 Fixing thread	订货号 Ordering-No.
4	M16 x 1,5	09 3782 91 08

技术参数 / Specifications

芯数	8	Number of contacts
锁紧方式	M12 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	IP67	Degree of protection
插拔周期	>100插拔周期 / > 100 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	50 V AC, 60 V DC	Rated voltage
额定冲击电压	CAT 6 _A	Rated impulse voltage
污染等级	3	Pollution degree
过电压等级	II	Overvoltage categorie
绝缘等级	III	Material group
额定电流 (40 °C)	0,5 A	Rated current (40 °C)
触点电阻	≤ 10 mΩ	Contact resistance
插针材料	CuSn (青铜 / bronze)	Material of contact
插针表面材料	Au (金 / gold)	Contact plating
插头主体材料	PA	Material of contact body
外壳材料	铸锌镀镍 / zinc diecasting nickel plated	Material of housing

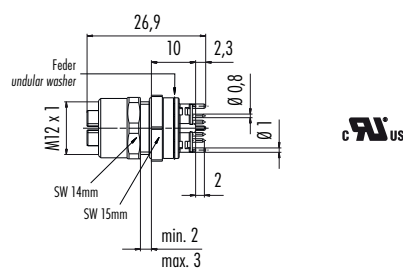
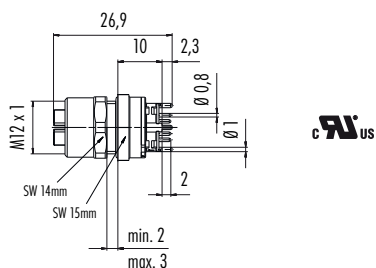
面板安装连接器，孔，X扣，浸焊，插针载体固定
Female panel mount connector with X-coding, dip solder, contact carrier fix

面板安装连接器，孔，X扣，板前固定，浸焊，通过波状垫圈灵活安装
Female panel mount connector with X-coding, dip solder, flexible mounting via undular washer

图例 / Figure



尺寸图 / Drawing



订货信息 / Order Data

芯数 Contacts	安装螺纹尺寸 Fixing thread	订货号 Ordering-No.
4	M16 x 1,5	99 3782 210 08

芯数 Contacts	安装螺纹尺寸 Fixing thread	订货号 Ordering-No.
4	M16 x 1,5	99 3782 200 08

技术参数 / Specifications

芯数	8	Number of contacts
锁紧方式	M12 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	IP67	Degree of protection
插拔周期	>100插拔周期 / > 100 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	50 V AC, 60 V DC	Rated voltage
额定冲击电压	CAT 6 _A	Rated impulse voltage
污染等级	3	Pollution degree
过电压等级	II	Overvoltage categorie
绝缘等级	III	Material group
额定电流 (40 °C)	0,5 A	Rated current (40 °C)
触点电阻	≤ 10 mΩ	Contact resistance
插针材料	CuSn (青铜/bronze)	Material of contact
插针表面材料	Au (金/gold)	Contact plating
插头主体材料	PA	Material of contact body
外壳材料	CuZn(黄铜镀镍 / brass nickel plated) 铸锌镀镍 / zinc diecasting nickel plated	Material of housing

特殊标准连接器825.876系列

Automation Technology - Special - 825 - 876 Series

M12-X

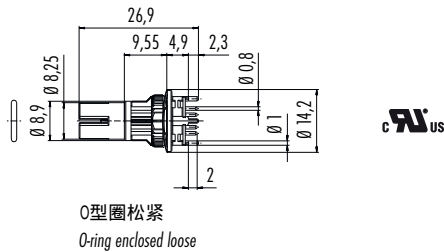
孔式，X扣，浸焊，安装在客户端的外壳上

Contact insert with X-coding, dip solder, for mounting in customer housing

图例 / Figure



尺寸图 / Drawing



订货信息 / Order Data

芯数 Contacts	订货号 Ordering-No.
4	09 3782 200 08

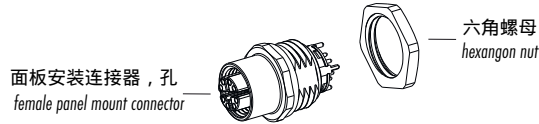
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技术参数 / Specifications

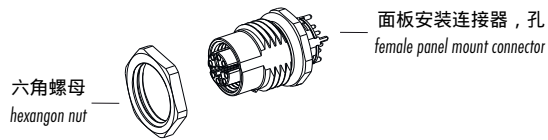
芯数	8	Number of contacts
锁紧方式	M12 螺母锁紧 / screw	Connector locking system
接线方式	浸焊 / dip solder	Termination
导线截面	—	Wire gauge
电缆出口直径	—	Cable outlet
防护等级	IP67	Degree of protection
插拔周期	>100插拔周期 / > 100 mating cycles	Mechanical operation
最高工作温度	+ 85 °C	Upper temperature
最低工作温度	- 40 °C	Lower temperature
额定电压	50 V AC, 60 V DC	Rated voltage
额定冲击电压	CAT 6 _A	Rated impulse voltage
污染等级	3	Pollution degree
过电压等级	II	Overvoltage categorie
绝缘等级	III	Material group
额定电流 (40 °C)	0,5 A	Rated current (40 °C)
触点电阻	≤ 10 mΩ	Contact resistance
插针材料	CuSn (青铜 / bronze)	Material of contact
插针表面材料	Au (金 / gold)	Contact plating
插头主体材料	PA	Material of contact body
外壳材料	CuZn(黄铜镀镍 / brass nickel plated) 铸锌镀镍 / zinc diecasting nickel plated	Material of housing

部件图
Component part drawing

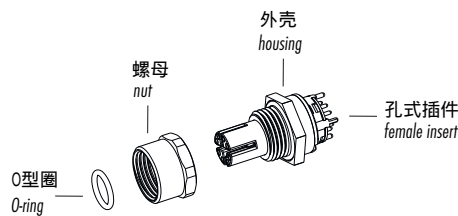
面板安装连接器
Panel mount connectors



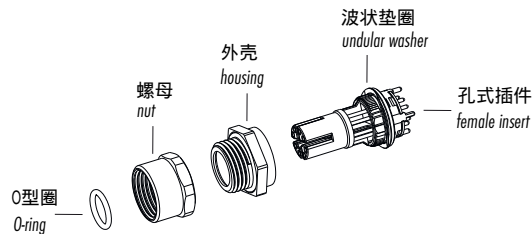
面板安装连接器, 板前固定
Panel mount connectors, front fastened



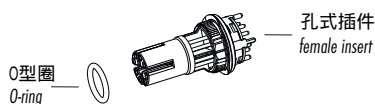
面板安装连接器, 插针载体固定
Panel mount connectors, contact carrier fix



面板安装连接器, 通过波状垫圈灵活安装
Panel mount connectors, flexible mounting via undular washer



插针载体安装在客户端外壳上
Contact insert for mounting in customer housing

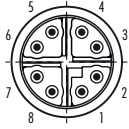


针位图
Contact arrangements

插件, 针 (接触面)
Male insert (mating side)

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

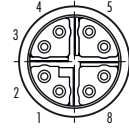
4 芯
4 contacts



	X	Y
1	1,40	-2,80
2	2,80	-1,40
3	2,80	1,40
4	1,40	2,80
5	-1,40	2,80
6	-2,80	1,40
7	-2,80	-1,40
8	-1,40	-2,80

- 1 白-黄 / white-orange
- 2 黄 / orange
- 3 白-绿 / white-green
- 4 绿 / green
- 5 白-棕 / white-brown
- 6 棕 / brown
- 7 白-蓝 / white-blue
- 8 蓝 / blue

外壳屏蔽
shield on housing



	X	Y
1	-1,40	-2,80
2	-2,80	-1,40
3	-2,80	1,40
4	-1,40	2,80
5	1,40	2,80
6	2,80	1,40
7	2,80	-1,40
8	1,40	-2,80

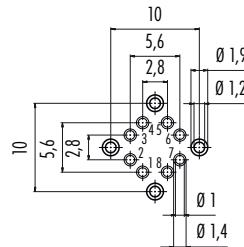
- 1 白-黄 / white-orange
- 2 黄 / orange
- 3 白-绿 / white-green
- 4 绿 / green
- 5 白-棕 / white-brown
- 6 棕 / brown
- 7 白-蓝 / white-blue
- 8 蓝 / blue

外壳屏蔽
shield on housing

插针钻孔分布图(PCB), 针
Drilling schemes male insert (PCB)

插针钻孔分布图(PCB), 孔
Drilling schemes female insert (PCB)

4 芯
4 contacts

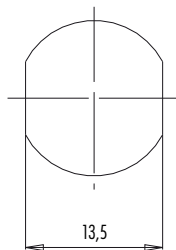


接触面分布图
PCB厚度: 1.55mm
所有的孔完全连接
View of mating side
Thickness of PCB: 1,55 mm
All holes fully contacted

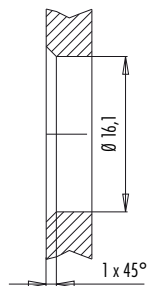
安装截面
Panel cut out

面板安装连接器
Panel mount connectors

带平面抗旋转装置
With flats as anti-rotation device

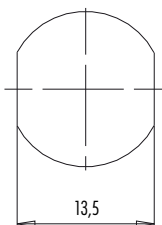


带钻孔
With bore hole

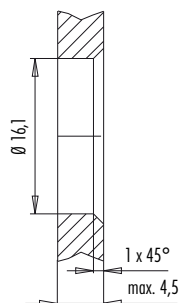


面板安装连接器，板前固定
Panel mount connectors, front fastened

带平面抗旋转装置
With flats as anti-rotation device



带钻孔
With bore hole



面板安装连接器
Panel mount connectors two halves

