

M23 Series



M23 Series Circular Connectors

1.Assembly connector

2301-2309

2.Panel

2310-2315

3.Cable

2316-2318

4.Standard cable lenght

2319-2325

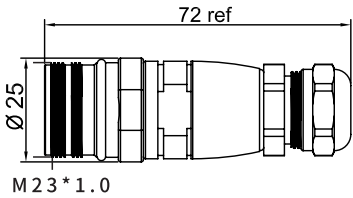
M23 Circular connectors

Male assembly connector

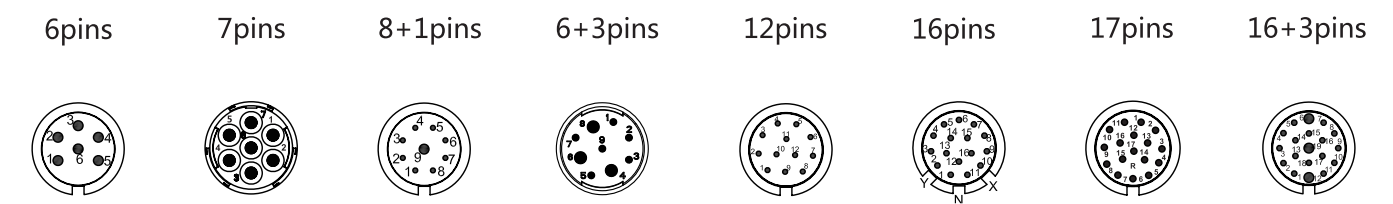
Product figure



Scale diagram



Contact layout/针孔排布 (Front view/前视图)



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
6pins	230006-01-001	—
7pins	230007-01-001	—
8+1pins	230009-01-001	—
6+3pins	230009-01-007	—
12pins	230012-01-001	—
16pins	230016-01-001	—
17pins	230017-01-001	—
16+3pins	230019-01-001	—

Specifications/技术参数

Number of contacts/芯数	6	7	8+1	6+3	12	16	17	16+3
Termination/接线方式	solder/焊接							
Wire gauge/线规	2.5mm ² (14AWG)	8*1.5+1*2.5mm ² (16/14AWG)		6*1.5+3*2.5mm ² (16/14AWG)		1.0mm ² (18AWG)		16*1.0+3*1.5mm ² (18/16AWG)
Cable OD/线材直径	6~8mm							
Operating temperature/工作温度	-40℃~+125℃							
Mechanical operation/插拔次数	> 100 mating cycles							
Rated voltage/额定电压	250V				150V			
Rated current (40℃)/额定电流	20A	8*8A+1*20A		6*8A+3*20A		8A		16*8A+3*10A
Protection degree/防护等级	IP67/IP68							
Contact resistance/接触电阻	≤5mΩ							
Insulation resistance/绝缘电阻	≥10 ³ MΩ							
Pin contant/插针材料	CuZn							
Socket contact/插孔材料	CuSn							
Contact plating/针孔镀层材料	Au							

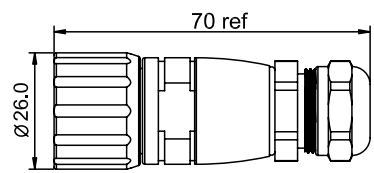
M23 Circular connectors

Female assembly connector

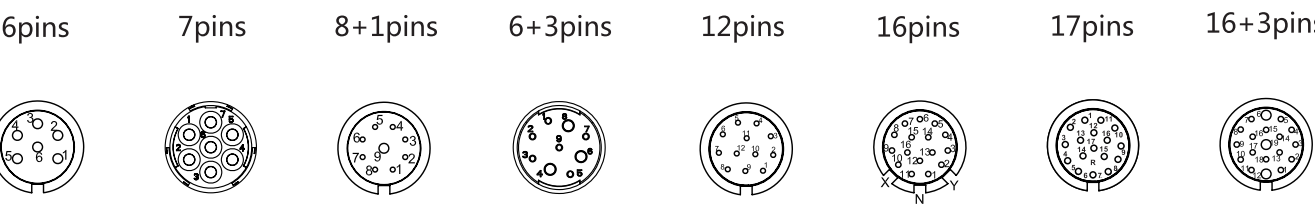
Product figure



Scale diagram



Contact layout/针孔排布 (Front view/前视图)



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
6pins	230006-02-001	—
7pins	230007-02-001	—
8+1pins	230009-02-001	—
6+3pins	230009-02-004	—
12pins	230012-02-001	—
16pins	230016-02-001	—
17pins	230017-02-001	—
16+3pins	230019-02-001	—

Specifications/技术参数

Number of contacts/芯数	6	7	8+1	6+3	12	16	17	16+3
Termination/接线方式	solder/焊接							
Wire gauge/线规	2.5mm ² (14AWG)	8*1.5+1*2.5mm ² (16/14AWG)		6*1.5+3*2.5mm ² (16/14AWG)		1.0mm ² (18AWG)		16*1.0+3*1.5mm ² (18/16AWG)
Cable OD/线材直径	6~8mm							
Operating temperature/工作温度	-40℃~+125℃							
Mechanical operation/插拔次数	> 100 mating cycles							
Rated voltage/额定电压	250V				150V			
Rated current (40℃)/额定电流	20A	8*8A+1*20A		6*8A+3*20A		8A		16*8A+3*10A
Protection degree/防护等级	IP67/IP68							
Contact resistance/接触电阻	≤5mΩ							
Insulation resistance/绝缘电阻	≥10 ³ MΩ							
Pin contant/插针材料	CuZn							
Socket contact/插孔材料	CuSn							
Contact plating/针孔镀层材料	Au							

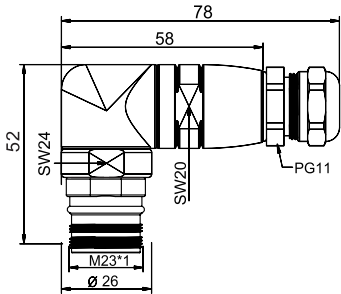
M23 Circular connectors

Male assembly connector (90°)

Product figure



Scale diagram



Contact layout/针孔排布 (Front view/前视图)

6pins

7pins

8+1pins

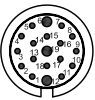
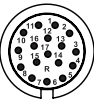
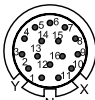
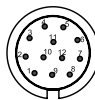
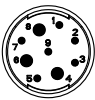
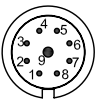
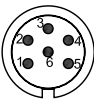
6+3pins

12pins

16pins

17pins

16+3pins



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
6pins	230006-01-002	—
7pins	230007-01-002	—
8+1pins	230009-01-002	—
6+3pins	230009-01-004	—
12pins	230012-01-003	—
16pins	230016-01-002	—
17pins	230017-01-002	—
16+3pins	230019-01-003	—

Specifications/技术参数

Number of contacts/芯数	6	7	8+1	6+3	12	16	17	16+3
Termination/接线方式	solder/焊接							
Wire gauge/线规	2.5mm ² (14AWG)	8*1.5+1*2.5mm ² (16/14AWG)		6*1.5+3*2.5mm ² (16/14AWG)		1.0mm ² (18AWG)		16*1.0+3*1.5mm ² (18/16AWG)
Cable OD/线材直径	6~8mm							
Operating temperature/工作温度	-40℃~+125℃							
Mechanical operation/插拔次数	> 100 mating cycles							
Rated voltage/额定电压	250V				150V			
Rated current (40℃)/额定电流	20A	8*8A+1*20A		6*8A+3*20A		8A		16*8A+3*10A
Protection degree/防护等级	IP67/IP68							
Contact resistance/接触电阻	≤5mΩ							
Insulation resistance/绝缘电阻	≥10 ³ MΩ							
Pin contant/插针材料	CuZn							
Socket contact/插孔材料	CuSn							
Contact plating/针孔镀层材料	Au							

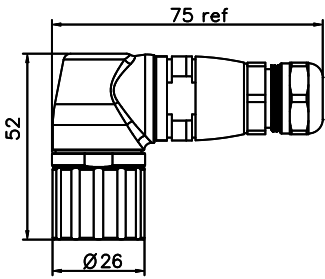
M23 Circular connectors

Female assembly connector (90°)

Product figure

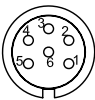


Scale diagram



Contact layout/针孔排布 (Front view/前视图)

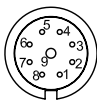
6pins



7pins



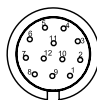
8+1pins



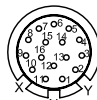
6+3pins



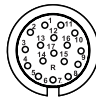
12pins



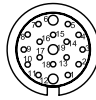
16pins



17pins



16+3pins



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
6pins	230006-02-002	—
7pins	230007-02-002	—
8+1pins	230009-02-002	—
6+3pins	230009-02-003	—
12pins	230012-02-002	—
16pins	230016-02-002	—
17pins	230017-02-002	—
16+3pins	230019-02-002	—

Specifications/技术参数

Number of contacts/芯数	6	7	8+1	6+3	12	16	17	16+3
Termination/接线方式	solder/焊接							
Wire gauge/线规	2.5mm ² (14AWG)	8*1.5+1*2.5mm ² (16/14AWG)		6*1.5+3*2.5mm ² (16/14AWG)		1.0mm ² (18AWG)		16*1.0+3*1.5mm ² (18/16AWG)
Cable OD/线材直径	6~8mm							
Operating temperature/工作温度	-40℃~+125℃							
Mechanical operation/插拔次数	> 100 mating cycles							
Rated voltage/额定电压	250V				150V			
Rated current (40℃)/额定电流	20A	8*8A+1*20A		6*8A+3*20A		8A		16*8A+3*10A
Protection degree/防护等级	IP67/IP68							
Contact resistance/接触电阻	≤5mΩ							
Insulation resistance/绝缘电阻	≥10 ³ MΩ							
Pin contant/插针材料	CuZn							
Socket contact/插孔材料	CuSn							
Contact plating/针孔镀层材料	Au							

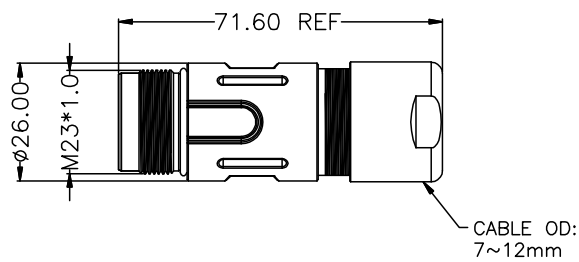
M23 Circular connectors

Male assembly connector

Product figure



Scale diagram



Contact layout/针孔排布 (Front view/前视图)

5+PE

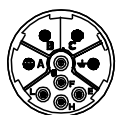
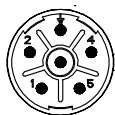
4+3+PE

(5+3+PE)-A

(5+3+PE)-B

4+4+3+PE

4+4+4+PE



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
5+PE	230006-01-003	—
4+3+PE	230008-01-001	—
(5+3+PE)-A	230009-01-008	—
(5+3+PE)-B	230009-01-009	—
4+4+3+PE	230012-01-013	—
4+4+4+PE	230013-01-001	—

Specifications/技术参数

Number of contacts/芯数	5+PE	4+3+PE	(5+3+PE)-A	(5+3+PE)-B	4+4+3+PE	4+4+4+PE
Termination/接线方式	crimp/压接					
Wire gauge/线规	0.75~2.5mm ² (18~14AWG)					
Cable OD/线材直径	7~12mm					
Operating temperature/工作温度	-40°C~+125°C					
Mechanical operation/插拔次数	> 100 mating cycles					
Rated voltage/额定电压	630V	300V/600V	300V/600V		60V/300V/600V	50V/50V/630V
Rated current (40°C)/额定电流	30A	8A/28A	10A/28A		2A/8A/28A	3.6A/8A/28A
Protection degree/防护等级	IP69K					
Contact resistance/接触电阻	≤5mΩ					
Insulation resistance/绝缘电阻	> 100MΩ					
Pin contant/插针材料	CuZn					
Socket contact/插孔材料	CuSn					
Contact plating/针孔镀层材料	Au					

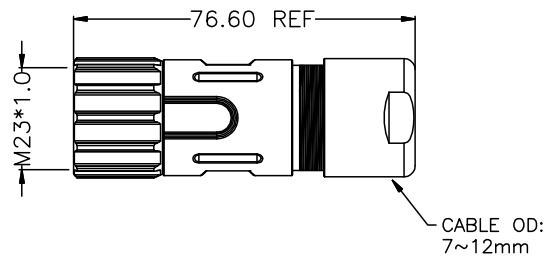
M23 Circular connectors

Female assembly connector

Product figure



Scale diagram



Contact layout/针孔排布 (Front view/前视图)

5+PE

4+3+PE

(5+3+PE)-A

(5+3+PE)-B

4+4+3+PE

4+4+4+PE



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
5+PE	230006-02-004	—
4+3+PE	230008-02-003	—
(5+3+PE)-A	230009-02-005	—
(5+3+PE)-B	230009-02-006	—
4+4+3+PE	230012-02-008	—
4+4+4+PE	230013-02-001	—

Specifications/技术参数

Number of contacts/芯数	5+PE	4+3+PE	(5+3+PE)-A	(5+3+PE)-B	4+4+3+PE	4+4+4+PE
Termination/接线方式	crimp/压接					
Wire gauge/线规	0.75~2.5mm ² (18~14AWG)					
Cable OD/线材直径	7~12mm					
Operating temperature/工作温度	-40°C~+125°C					
Mechanical operation/插拔次数	> 100 mating cycles					
Rated voltage/额定电压	630V	300V/600V	300V/600V		60V/300V/600V	50V/50V/630V
Rated current (40°C)/额定电流	30A	8A/28A	10A/28A		2A/8A/28A	3.6A/8A/28A
Protection degree/防护等级	IP69K					
Contact resistance/接触电阻	≤5mΩ					
Insulation resistance/绝缘电阻	> 100MΩ					
Pin contant/插针材料	CuZn					
Socket contact/插孔材料	CuSn					
Contact plating/针孔镀层材料	Au					

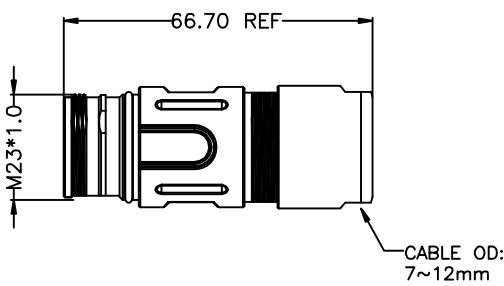
M23 Circular connectors

Male assembly connector

Product figure

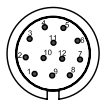


Scale diagram

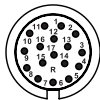


Contact layout/针孔排布 (Front view/前视图)

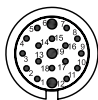
12pins



17pins



16+3pins



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
12pins	230012-01-008	—
17pins	230017-01-003	—
19pins	230019-01-005-1	—

Specifications/技术参数

Number of contacts/芯数	12	17	16+3
Termination/接线方式	crimp/压接		
Wire gauge/线规	0.14~1.0mm ² (26~17AWG)		
Cable OD/线材直径	7~12mm		
Operating temperature/工作温度	-40°C~+125°C		
Mechanical operation/插拔次数	> 100 mating cycles		
Rated voltage/额定电压	150V		
Rated current (40°C)/额定电流	8A		16*3A+3*10A
Protection degree/防护等级	IP69K		
Contact resistance/接触电阻	≤5mΩ		
Insulation resistance/绝缘电阻	> 100MΩ		
Pin contact/插针材料	CuZn		
Socket contact/插孔材料	CuSn		
Contact plating/针孔镀层材料	Au		

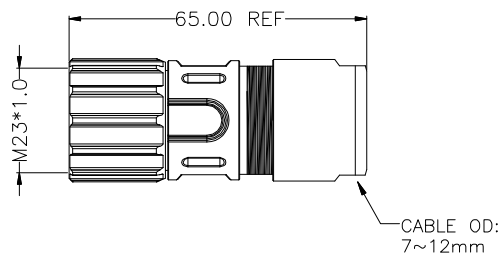
M23 Circular connectors

Female assembly connector

Product figure

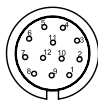


Scale diagram

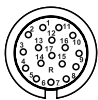


Contact layout/针孔排布 (Front view/前视图)

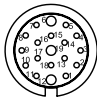
12pins



17pins



16+3pins



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
12pins	230012-02-004	—
17pins	230017-02-005	—
19pins	230019-02-003-1	—

Specifications/技术参数

Number of contacts/芯数	12	17	16+3
Termination/接线方式	crimp/压接		
Wire gauge/线规	0.14~1.0mm ² (26~17AWG)		
Cable OD/线材直径	7~12mm		
Operating temperature/工作温度	-40°C~+125°C		
Mechanical operation/插拔次数	> 100 mating cycles		
Rated voltage/额定电压	150V		
Rated current (40°C)/额定电流	8A		16*3A+3*10A
Protection degree/防护等级	IP69K		
Contact resistance/接触电阻	≤5mΩ		
Insulation resistance/绝缘电阻	> 100MΩ		
Pin contact/插针材料	CuZn		
Socket contact/插孔材料	CuSn		
Contact plating/针孔镀层材料	Au		

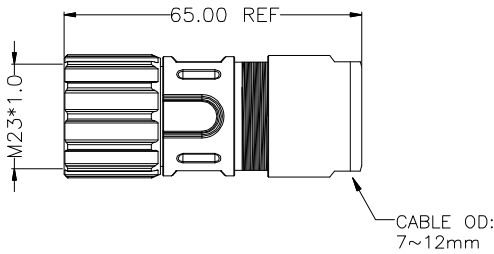
M23 Circular connectors

Male assembly connector

Product figure



Scale diagram



Contact layout/针孔排布 (Front view/前视图)

12pins



17pins



16+3pins



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
12pins	230012-01-012	—
17pins	230017-01-006	—
19pins	230019-01-007	—

Specifications/技术参数

Number of contacts/芯数	12	17	16+3
Termination/接线方式	crimp/压接		
Wire gauge/线规	0.14~1.0mm ² (26~17AWG)		
Cable OD/线材直径	7~12mm		
Operating temperature/工作温度	-40°C~+125°C		
Mechanical operation/插拔次数	> 100 mating cycles		
Rated voltage/额定电压	150V		
Rated current (40°C)/额定电流	8A		16*3A+3*10A
Protection degree/防护等级	IP69K		
Contact resistance/接触电阻	≤5mΩ		
Insulation resistance/绝缘电阻	> 100MΩ		
Pin contact/插针材料	CuZn		
Socket contact/插孔材料	CuSn		
Contact plating/针孔镀层材料	Au		

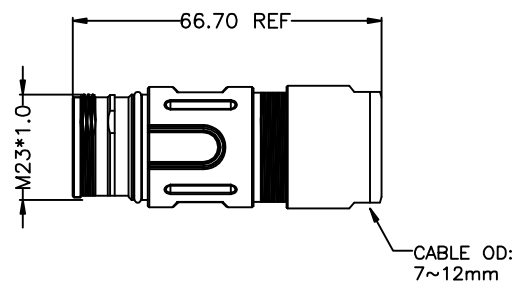
M23 Circular connectors

Female assembly connector

Product figure

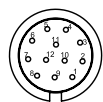


Scale diagram

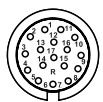


Contact layout/针孔排布 (Front view/前视图)

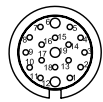
12pins



17pins



16+3pins



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
12pins	230012-02-007	—
17pins	230017-02-007	—
19pins	230019-02-005	—

Specifications/技术参数

Number of contacts/芯数	12	17	16+3
Termination/接线方式	crimp/压接		
Wire gauge/线规	0.14~1.0mm ² (26~17AWG)		
Cable OD/线材直径	7~12mm		
Operating temperature/工作温度	-40°C~+125°C		
Mechanical operation/插拔次数	> 100 mating cycles		
Rated voltage/额定电压	150V		
Rated current (40°C)/额定电流	8A		16*3A+3*10A
Protection degree/防护等级	IP69K		
Contact resistance/接触电阻	≤5mΩ		
Insulation resistance/绝缘电阻	> 100MΩ		
Pin contact/插针材料	CuZn		
Socket contact/插孔材料	CuSn		
Contact plating/针孔镀层材料	Au		

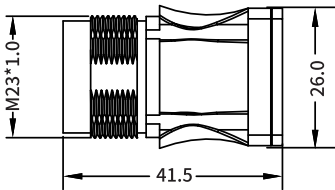
M23 Circular connectors

Male panel connector

Product figure



Scale diagram



Contact layout/针孔排布 (Front view/前视图)

5+PE



4+3+PE



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
5+PE	230006-03-003	PMM23LM06003
4+3+PE	230008-03-001	PMM23LM08001

Specifications/技术参数

Number of contacts/芯数	5+PE	4+3+PE
Termination/接线方式	crimp/压接	
Wire gauge/线规	0.75~2.5mm ² (18~14AWG)	
Operating temperature/工作温度	-40°C~+125°C	
Mechanical operation/插拔次数	> 100 mating cycles	
Rated voltage/额定电压	630V	300V/800V
Rated current (40°C)/额定电流	30A	8A/28A
Protection degree/防护等级	IP69K	
Contact resistance/接触电阻	≤5mΩ	
Insulation resistance/绝缘电阻	> 100MΩ	
Pin contact/插针材料	CuZn	
Socket contact/插孔材料	CuSn	
Contact plating/针孔镀层材料	Au	

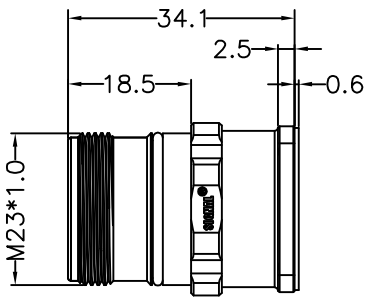
M23 Circular connectors

Male panel connector

Product figure



Scale diagram



Contact layout/针孔排布 (Front view/前视图)

5+PE

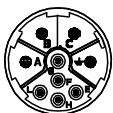
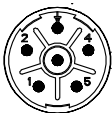
4+3+PE

(5+3+PE)-A

(5+3+PE)-B

4+4+3+PE

4+4+4+PE



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
5+PE	230006-03-007	—
4+3+PE	230008-03-003	—
(5+3+PE)-A	230009-03-004	—
(5+3+PE)-B	230009-03-005	—
4+4+3+PE	230012-03-015	—
4+4+4+PE	230013-03-001	—

Specifications/技术参数

Number of contacts/芯数	5+PE	4+3+PE	(5+3+PE)-A	(5+3+PE)-B	4+4+3+PE	4+4+4+PE
Termination/接线方式	crimp/压接					
Wire gauge/线规	0.75~2.5mm ² (18~14AWG)					
Cable OD/线材直径	7~12mm					
Operating temperature/工作温度	-40°C~+125°C					
Mechanical operation/插拔次数	> 100 mating cycles					
Rated voltage/额定电压	630V	300V/600V	300V/600V		60V/300V/600V	50V/50V/630V
Rated current (40°C)/额定电流	30A	8A/28A	10A/28A		2A/8A/28A	3.6A/8A/28A
Protection degree/防护等级	IP69K					
Contact resistance/接触电阻	≤5mΩ					
Insulation resistance/绝缘电阻	> 100MΩ					
Pin contant/插针材料	CuZn					
Socket contact/插孔材料	CuSn					
Contact plating/针孔镀层材料	Au					

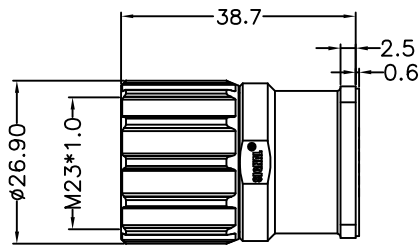
M23 Circular connectors

Female panel connector

Product figure



Scale diagram



Contact layout/针孔排布 (Front view/前视图)

5+PE

4+3+PE

(5+3+PE)-A

(5+3+PE)-B

4+4+3+PE

4+4+4+PE



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
5+PE	230006-04-006	—
4+3+PE	230008-04-003	—
(5+3+PE)-A	230009-04-004	—
(5+3+PE)-B	230009-04-005	—
4+4+3+PE	230012-04-010	—
4+4+4+PE	230013-04-001	—

Specifications/技术参数

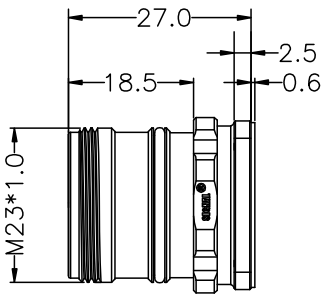
Number of contacts/芯数	5+PE	4+3+PE	(5+3+PE)-A	(5+3+PE)-B	4+4+3+PE	4+4+4+PE
Termination/接线方式	crimp/压接					
Wire gauge/线规	0.75~2.5mm ² (18~14AWG)					
Cable OD/线材直径	7~12mm					
Operating temperature/工作温度	-40°C~+125°C					
Mechanical operation/插拔次数	> 100 mating cycles					
Rated voltage/额定电压	630V	300V/600V	300V/600V		60V/300V/600V	50V/50V/630V
Rated current (40°C)/额定电流	30A	8A/28A	10A/28A		2A/8A/28A	3.6A/8A/28A
Protection degree/防护等级	IP69K					
Contact resistance/接触电阻	≤5mΩ					
Insulation resistance/绝缘电阻	> 100MΩ					
Pin contant/插针材料	CuZn					
Socket contact/插孔材料	CuSn					
Contact plating/针孔镀层材料	Au					

Male panel connector

Product figure

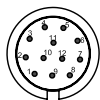


Scale diagram

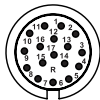


Contact layout/针孔排布 (Front view/前视图)

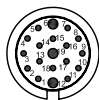
12pins



17pins



19pins



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
12pins	230012-03-010	—
17pins	230017-03-006	—
19pins	230019-03-007	—

Specifications/技术参数

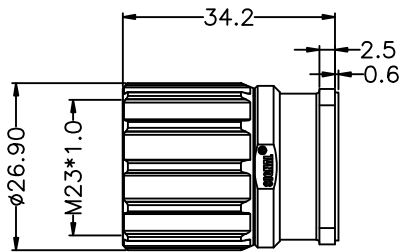
Number of contacts/芯数	12	17	19
Termination/接线方式	crimp/压接		
Wire gauge/线规	0.14~1.0mm ² (26~17AWG)		
Operating temperature/工作温度	-40°C~+125°C		
Mechanical operation/插拔次数	> 100 mating cycles		
Rated voltage/额定电压	150V		
Rated current (40°C)/额定电流	8A		16*3A+3*10A
Protection degree/防护等级	IP69K		
Contact resistance/接触电阻	≤5mΩ		
Insulation resistance/绝缘电阻	> 100MΩ		
Pin contact/插针材料	CuZn		
Socket contact/插孔材料	CuSn		
Contact plating/针孔镀层材料	Au		

Female panel connector

Product figure



Scale diagram



Contact layout/针孔排布 (Front view/前视图)

12pins



17pins



19pins



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
12pins	230012-04-008	—
17pins	230017-04-005	—
19pins	230019-04-006	—

Specifications/技术参数

Number of contacts/芯数	12	17	19
Termination/接线方式	crimp/压接		
Wire gauge/线规	0.14~1.0mm ² (26~17AWG)		
Operating temperature/工作温度	-40℃~+125℃		
Mechanical operation/插拔次数	> 100 mating cycles		
Rated voltage/额定电压	150V		
Rated current (40℃)/额定电流	8A		16*3A+3*10A
Protection degree/防护等级	IP69K		
Contact resistance/接触电阻	≤5mΩ		
Insulation resistance/绝缘电阻	> 100MΩ		
Pin contact/插针材料	CuZn		
Socket contact/插孔材料	CuSn		
Contact plating/针孔镀层材料	Au		

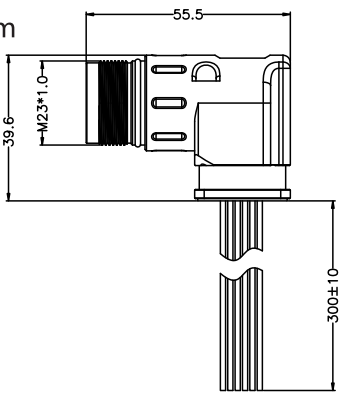
M23 Circular connectors

Male panel connector

Product figure



Scale diagram



Contact layout/针孔排布 (Front view/前视图)

5+PE

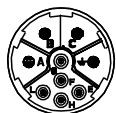
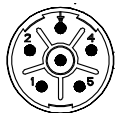
4+3+PE

(5+3+PE)-A

(5+3+PE)-B

4+4+3+PE

4+4+4+PE



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
5+PE	230006-03-006	—
4+3+PE	230008-03-005	—
(5+3+PE)-A	230009-03-005	—
(5+3+PE)-B	230009-03-006	—
4+4+3+PE	230012-03-016	—
4+4+4+PE	230013-03-002	—

Specifications/技术参数

Number of contacts/芯数	5+PE	4+3+PE	(5+3+PE)-A	(5+3+PE)-B	4+4+3+PE	4+4+4+PE
Termination/接线方式	crimp/压接					
Wire gauge/线规	0.75~2.5mm ² (18~14AWG)					
Cable OD/线材直径	7~12mm					
Operating temperature/工作温度	-40°C~+125°C					
Mechanical operation/插拔次数	> 100 mating cycles					
Rated voltage/额定电压	630V	300V/600V	300V/600V		60V/300V/600V	50V/50V/630V
Rated current (40°C)/额定电流	30A	8A/28A	10A/28A		2A/8A/28A	3.6A/8A/28A
Protection degree/防护等级	IP69K					
Contact resistance/接触电阻	≤5mΩ					
Insulation resistance/绝缘电阻	> 100MΩ					
Pin contant/插针材料	CuZn					
Socket contact/插孔材料	CuSn					
Contact plating/针孔镀层材料	Au					

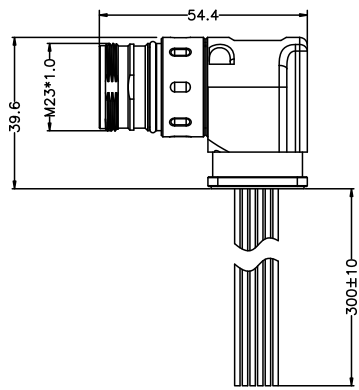
M23 Circular connectors

Male panel connector

Product figure

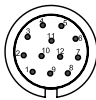


Scale diagram

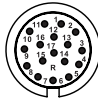


Contact layout/针孔排布 (Front view/前视图)

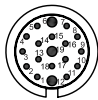
12pins



17pins



19pins



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
12pins	230012-03-008	—
17pins	230017-03-007	—
19pins	230019-03-008	—

Specifications/技术参数

Number of contacts/芯数	12	17	19
Termination/接线方式	crimp/压接		
Wire gauge/线规	0.14~1.0mm ² (26~17AWG)		
Operating temperature/工作温度	-40°C~+125°C		
Mechanical operation/插拔次数	> 100 mating cycles		
Rated voltage/额定电压	150V		
Rated current (40°C)/额定电流	8A		16*3A+3*10A
Protection degree/防护等级	IP69K		
Contact resistance/接触电阻	≤5mΩ		
Insulation resistance/绝缘电阻	> 100MΩ		
Pin contact/插针材料	CuZn		
Socket contact/插孔材料	CuSn		
Contact plating/针孔镀层材料	Au		

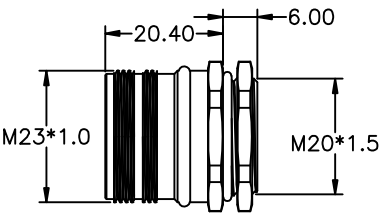
M23 Circular connectors

Male panel connector

Product figure (rear fastened)

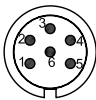


Scale diagram



Contact layout/针孔排布 (Front view/前视图)

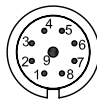
6pins



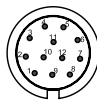
7pins



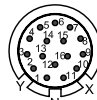
9pins



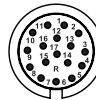
12pins



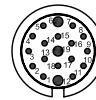
16pins



17pins



19pins



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
6pins	230006-03-001	PMM23BM06001
7pins	230007-03-001	PMM23BM07001
9pins	230009-03-001	PMM23BM09001
12pins	230012-03-001	PMM23BM12001
16pins	230016-03-001	PMM23BM16001
17pins	230017-03-001	PMM23BM17001
19pins	230019-03-001	PMM23BM19001

Specifications/技术参数

Number of contacts/芯数	6	7	9	12	16	17	19
Termination/接线方式	solder/焊接						
Wire gauge/线规	2.5mm ² (14AWG)	8*1.5+1*2.5mm ² (16/14AWG)		1.0mm ² (18AWG)		16*1.0+3*1.5mm ² (18/16AWG)	
Operating temperature/工作温度	-40°C~+125°C						
Mechanical operation/插拔次数	> 100 mating cycles						
Rated voltage/额定电压	250V			150V			
Rated current (40°C)/额定电流	20A	8*8A+1*20A		8A		16*8A+3*10A	
Protection degree/防护等级	IP67/IP68						
Contact resistance/接触电阻	≤5mΩ						
Insulation resistance/绝缘电阻	≥10 ³ MΩ						
Pin contant/插针材料	CuZn						
Socket contact/插孔材料	CuSn						
Contact plating/针孔镀层材料	Au						

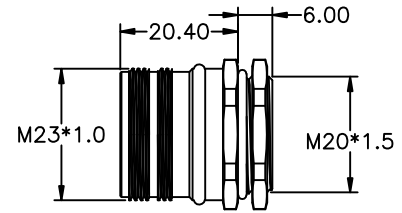
M23 Circular connectors

Female panel connector

Product figure (rear fastened)



Scale diagram



Contact layout/针孔排布 (Front view/前视图)

6pins

7pins

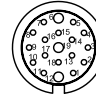
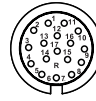
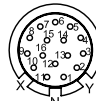
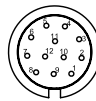
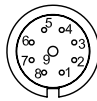
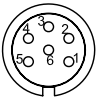
9pins

12pins

16pins

17pins

19pins



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
6pins	230006-04-002	PMM23BF06001
7pins	230007-04-002	PMM23BF07001
9pins	230009-04-002	PMM23BF09001
12pins	230012-04-003	PMM23BF12002
16pins	230016-04-002	PMM23BF16001
17pins	230017-04-002	PMM23BF17001
19pins	230019-04-003	PMM23BF19002

Specifications/技术参数

Number of contacts/芯数	6	7	9	12	16	17	19
Termination/接线方式	solder/焊接						
Wire gauge/线规	2.5mm ² (14AWG)	8*1.5+1*2.5mm ² (16/14AWG)		1.0mm ² (18AWG)		16*1.0+3*1.5mm ² (18/16AWG)	
Operating temperature/工作温度	-40℃~+125℃						
Mechanical operation/插拔次数	> 100 mating cycles						
Rated voltage/额定电压	250V			150V			
Rated current (40℃)/额定电流	20A	8*8A+1*20A		8A		16*8A+3*10A	
Protection degree/防护等级	IP67/IP68						
Contact resistance/接触电阻	≤5mΩ						
Insulation resistance/绝缘电阻	≥10 ³ MΩ						
Pin contant/插针材料	CuZn						
Socket contact/插孔材料	CuSn						
Contact plating/针孔镀层材料	Au						

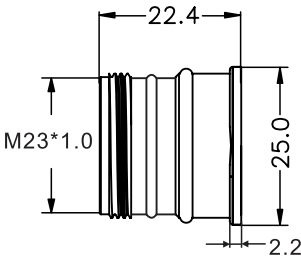
M23 Circular connectors

Male panel connector

Product figure

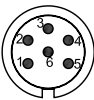


Scale diagram



Contact layout/针孔排布 (Front view/前视图)

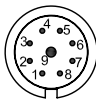
6pins



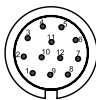
7pins



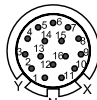
9pins



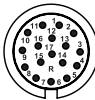
12pins



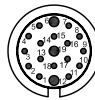
16pins



17pins



19pins



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
6pins	230006-03-002	PMM23LM06001
7pins	230007-03-002	PMM23LM07001
9pins	230009-03-002	PMM23LM09001
12pins	230012-03-003	PMM23LM12001
16pins	230016-03-002	PMM23LM16001
17pins	230017-03-002	PMM23LM17001
19pins	230019-03-003	PMM23LM19001

Specifications/技术参数

Number of contacts/芯数	6	7	9	12	16	17	19
Termination/接线方式	solder/焊接						
Wire gauge/线规	2.5mm ² (14AWG)	8*1.5+1*2.5mm ² (16/14AWG)		1.0mm ² (18AWG)		16*1.0+3*1.5mm ² (18/16AWG)	
Operating temperature/工作温度	-40°C~+125°C						
Mechanical operation/插拔次数	> 100 mating cycles						
Rated voltage/额定电压	250V			150V			
Rated current (40°C)/额定电流	20A	8*8A+1*20A		8A		16*8A+3*10A	
Protection degree/防护等级	IP67/IP68						
Contact resistance/接触电阻	≤5mΩ						
Insulation resistance/绝缘电阻	≥10 ³ MΩ						
Pin contant/插针材料	CuZn						
Socket contact/插孔材料	CuSn						
Contact plating/针孔镀层材料	Au						

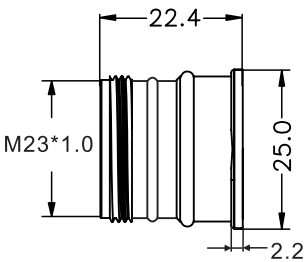
M23 Circular connectors

Female panel connector

Product figure

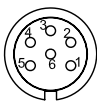


Scale diagram

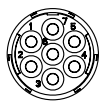


Contact layout/针孔排布 (Front view/前视图)

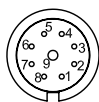
6pins



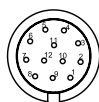
7pins



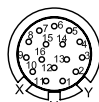
9pins



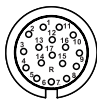
12pins



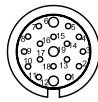
16pins



17pins



19pins



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
6pins	230006-04-001	PMM23LF06001
7pins	230007-04-001	PMM23LF07001
9pins	230009-04-001	PMM23LF09001
12pins	230012-04-001	PMM23LF12001
16pins	230016-04-001	PMM23LF16001
17pins	230017-04-001	PMM23LF17001
19pins	230019-04-001	PMM23LF19001

Specifications/技术参数

Number of contacts/芯数	6	7	9	12	16	17	19
Termination/接线方式	solder/焊接						
Wire gauge/线规	2.5mm ² (14AWG)	8*1.5+1*2.5mm ² (16/14AWG)		1.0mm ² (18AWG)		16*1.0+3*1.5mm ² (18/16AWG)	
Operating temperature/工作温度	-40°C~+125°C						
Mechanical operation/插拔次数	> 100 mating cycles						
Rated voltage/额定电压	250V			150V			
Rated current (40°C)/额定电流	20A	8*8A+1*20A		8A		16*8A+3*10A	
Protection degree/防护等级	IP67/IP68						
Contact resistance/接触电阻	≤5mΩ						
Insulation resistance/绝缘电阻	≥10 ³ MΩ						
Pin contant/插针材料	CuZn						
Socket contact/插孔材料	CuSn						
Contact plating/针孔镀层材料	Au						

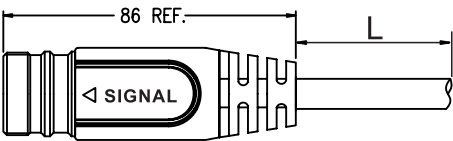
M23 Circular connectors

Male cable

Product figure

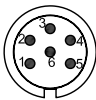


Scale diagram



Contact layout/针孔排布 (Front view/前视图)

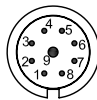
6pins



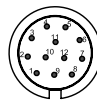
7pins



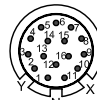
9pins



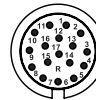
12pins



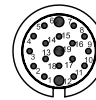
16pins



17pins



19pins



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
6pins	230006-05-001	CAM23SM06001
7pins	230007-05-001	CAM23SM07001
9pins	230009-05-001	CAM23SM09001
12pins	230012-05-001	CAM23SM12001
16pins	230016-05-001	CAM23SM16001
17pins	230017-05-001	CAM23SM17001
19pins	230019-05-001	CAM23SM19001

Specifications/技术参数

Number of contacts/芯数	6	7	9	12	16	17	19
Termination/接线方式	moulded on cable/成型线						
Wire gauge/线规	2.5mm ² (14AWG)	8*1.5+1*2.5mm ² (16/14AWG)		1.0mm ² (18AWG)		16*1.0+3*1.5mm ² (18/16AWG)	
Operating temperature/工作温度	-40℃~+80℃						
Mechanical operation/插拔次数	> 100 mating cycles						
Rated voltage/额定电压	250V			150V			
Rated current (40℃)/额定电流	20A	8*8A+1*20A		8A		16*8A+3*10A	
Protection degree/防护等级	IP67/IP68						
Contact resistance/接触电阻	≤5mΩ						
Insulation resistance/绝缘电阻	≥10 ³ MΩ						
Pin contant/插针材料	CuZn						
Socket contact/插孔材料	CuSn						
Contact plating/针孔镀层材料	Au						

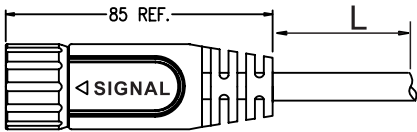
M23 Circular connectors

Female cable

Product figure

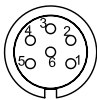


Scale diagram



Contact layout/针孔排布 (Front view/前视图)

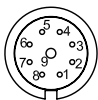
6pins



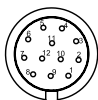
7pins



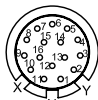
9pins



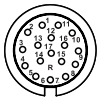
12pins



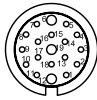
16pins



17pins



19pins



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
6pins	230006-06-001	CAM23SF06001
7pins	230007-06-001	CAM23SF07001
9pins	230009-06-001	CAM23SF09001
12pins	230012-06-001	CAM23SF12001
16pins	230016-06-001	CAM23SF16001
17pins	230017-06-001	CAM23SF17001
19pins	230019-06-001	CAM23SF19001

Specifications/技术参数

Number of contacts/芯数	6	7	9	12	16	17	19
Termination/接线方式	moulded on cable/成型线						
Wire gauge/线规	2.5mm ² (14AWG)	8*1.5+1*2.5mm ² (16/14AWG)		1.0mm ² (18AWG)		16*1.0+3*1.5mm ² (18/16AWG)	
Operating temperature/工作温度	-40°C~+80°C						
Mechanical operation/插拔次数	> 100 mating cycles						
Rated voltage/额定电压	250V			150V			
Rated current (40°C)/额定电流	20A	8*8A+1*20A		8A		16*8A+3*10A	
Protection degree/防护等级	IP67/IP68						
Contact resistance/接触电阻	≤5mΩ						
Insulation resistance/绝缘电阻	≥10 ³ MΩ						
Pin contant/插针材料	CuZn						
Socket contact/插孔材料	CuSn						
Contact plating/针孔镀层材料	Au						

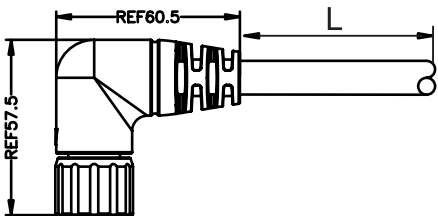
M23 Circular connectors

Female cable (90°)

Product figure

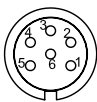


Scale diagram



Contact layout/针孔排布 (Front view/前视图)

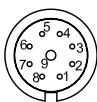
6pins



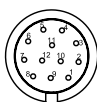
7pins



9pins



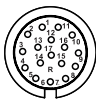
12pins



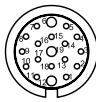
16pins



17pins



19pins



Order Data/订货信息

Contacts/芯数	Order No/订货号	P/N/料号
6pins	230006-06-002	CAM23SF06002
7pins	230006-06-002	CAM23SF07002
9pins	230009-06-002	CAM23SF09002
12pins	230012-06-002	CAM23SF12002
16pins	230016-06-002	CAM23SF16002
17pins	230017-06-002	CAM23SF17002
19pins	230019-06-002	CAM23SF19002

Specifications/技术参数

Number of contacts/芯数	6	7	9	12	16	17	19
Termination/接线方式	moulded on cable/成型线						
Wire gauge/线规	2.5mm ² (14AWG)	8*1.5+1*2.5mm ² (16/14AWG)		1.0mm ² (18AWG)		16*1.0+3*1.5mm ² (18/16AWG)	
Operating temperature/工作温度	-40℃~+80℃						
Mechanical operation/插拔次数	> 100 mating cycles						
Rated voltage/额定电压	250V			150V			
Rated current (40℃)/额定电流	20A	8*8A+1*20A		8A		16*8A+3*10A	
Protection degree/防护等级	IP67/IP68						
Contact resistance/接触电阻	≤5mΩ						
Insulation resistance/绝缘电阻	≥10 ³ MΩ						
Pin contant/插针材料	CuZn						
Socket contact/插孔材料	CuSn						
Contact plating/针孔镀层材料	Au						

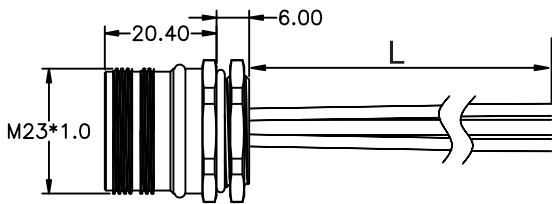
M23 Circular connectors

Male panel connector

Product figure (rear fastened)

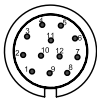


Scale diagram

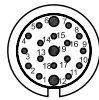


Contact layout/针孔排布 (Front view/前视图)

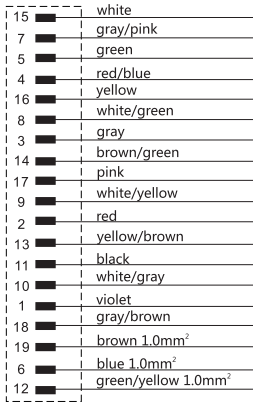
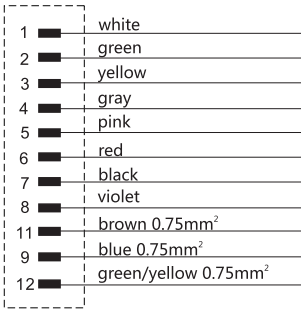
12pins



19pins



Circuit diagram/电路图



Order No/订货号

Cable length 线材长度	Contacts 芯数	Wire diameter 线径	PVC	TPE
0.1M	12pins	8×0.34mm ² +3×0.75mm ²	230012-03-811	230012-03-821
	19pins	16×0.34mm ² +3×0.75mm ²	230019-03-811	230019-03-821
0.2M	12pins	8×0.34mm ² +3×0.75mm ²	230012-03-812	230012-03-822
	19pins	16×0.34mm ² +3×0.75mm ²	230019-03-812	230019-03-822
0.5M	12pins	8×0.34mm ² +3×0.75mm ²	230012-03-813	230012-03-823
	19pins	16×0.34mm ² +3×0.75mm ²	230019-03-813	230019-03-823
1.0M	12pins	8×0.34mm ² +3×0.75mm ²	230012-03-814	230012-03-824
	19pins	16×0.34mm ² +3×0.75mm ²	230019-03-814	230019-03-824

Specifications/技术参数

Number of contacts/芯数	12	19
Rated voltage/额定电压	150V	
Rated current (40°C)/额定电流	8A	16×8A+3×10A
Protection degree/防护等级	IP67/IP68	
Operating temperature/工作温度	-40°C ~ +80°C	

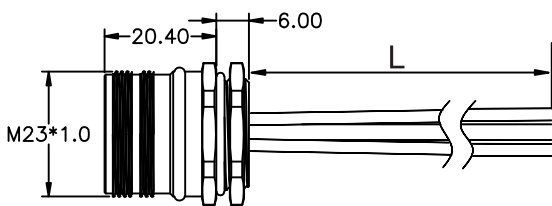
M23 Circular connectors

Female panel connector

Product figure (rear fastened)

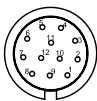


Scale diagram

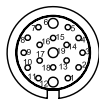


Contact layout/针孔排布 (Front view/前视图)

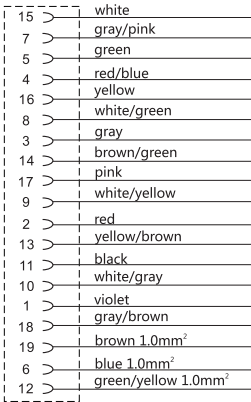
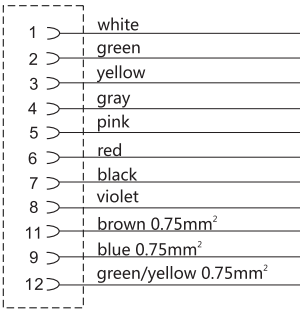
12pins



19pins



Circuit diagram/电路图



Order No/订货号

Cable length 线材长度	Contacts 芯数	Wire diameter 线径	PVC	TPE
0.1M	12pins	8×0.34mm ² +3×0.75mm ²	230012-04-811	230012-04-821
	19pins	16×0.34mm ² +3×0.75mm ²	230019-04-811	230019-04-821
0.2M	12pins	8×0.34mm ² +3×0.75mm ²	230012-04-812	230012-04-822
	19pins	16×0.34mm ² +3×0.75mm ²	230019-04-812	230019-04-822
0.5M	12pins	8×0.34mm ² +3×0.75mm ²	230012-04-813	230012-04-823
	19pins	16×0.34mm ² +3×0.75mm ²	230019-04-813	230019-04-823
1.0M	12pins	8×0.34mm ² +3×0.75mm ²	230012-04-814	230012-04-824
	19pins	16×0.34mm ² +3×0.75mm ²	230019-04-814	230019-04-824

Specifications/技术参数

Number of contacts/芯数	12	19
Rated voltage/额定电压	150V	
Rated current (40°C)/额定电流	8A	16×8A+3×10A
Protection degree/防护等级	IP67/IP68	
Operating temperature/工作温度	-40°C ~ +80°C	

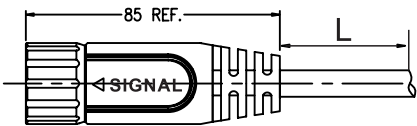
M23 Circular connectors

Female cable

Product figure

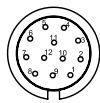


Scale diagram

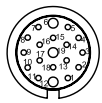


Contact layout/针孔排布 (Front view/前视图)

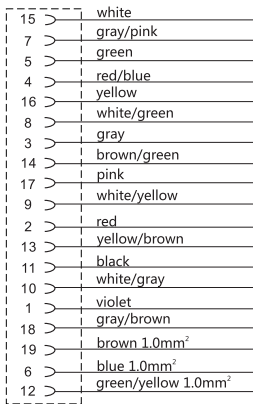
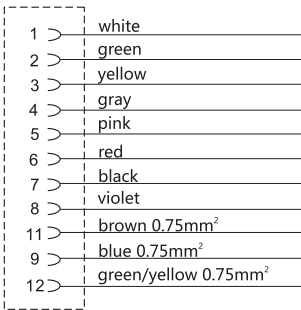
12pins



19pins



Circuit diagram/电路图



Order No/订货号

Cable length 线材长度	Contacts 芯数	Wire diameter 线径	PVC		PUR	
			black/黑色	gray/灰色	black/黑色	gray/灰色
1.5M	12pins	8×0.34mm ² +3×0.75mm ²	230012-06-601	230012-06-641	230012-06-621	230012-06-661
	19pins	16×0.34mm ² +3×0.75mm ²	230019-06-601	230019-06-641	230019-06-621	230019-06-661
3.0M	12pins	8×0.34mm ² +3×0.75mm ²	230012-06-602	230012-06-642	230012-06-622	230012-06-662
	19pins	16×0.34mm ² +3×0.75mm ²	230019-06-602	230019-06-642	230019-06-622	230019-06-662
5.0M	12pins	8×0.34mm ² +3×0.75mm ²	230012-06-603	230012-06-643	230012-06-623	230012-06-663
	19pins	16×0.34mm ² +3×0.75mm ²	230019-06-603	230019-06-643	230019-06-623	230019-06-663
7.5M	12pins	8×0.34mm ² +3×0.75mm ²	230012-06-604	230012-06-644	230012-06-624	230012-06-664
	19pins	16×0.34mm ² +3×0.75mm ²	230019-06-604	230019-06-644	230019-06-624	230019-06-664
10M	12pins	8×0.34mm ² +3×0.75mm ²	230012-06-605	230012-06-645	230012-06-625	230012-06-665
	19pins	16×0.34mm ² +3×0.75mm ²	230019-06-605	230019-06-645	230019-06-625	230019-06-665

Specifications/技术参数

Number of contacts/芯数	12	19
Rated voltage/额定电压	150V	
Rated current (40°C)/额定电流	8A	16×8A+3×10A
Protection degree/防护等级	IP67/IP68	
Operating temperature/工作温度	-40°C~+80°C	
Cable OD /线材直径	9.1mm	10.6mm

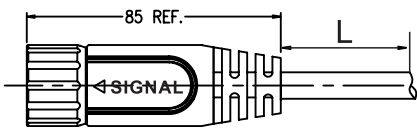
M23 Circular connectors

Female cable

Product figure

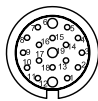


Scale diagram

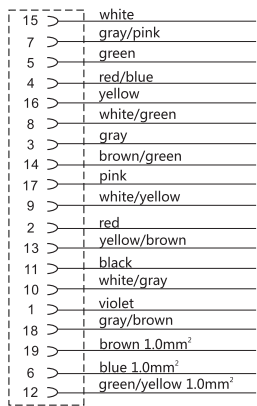


Contact layout/针孔排布 (Front view/前视图)

19pins



Circuit diagram/电路图



Order No/订货号

Cable length 线材长度	Contacts 芯数	Wire diameter 线径	PUR
			gray/灰色
1.5M	19pins	16×0.5mm ² +3×1mm ²	230019-06-691
3.0M	19pins	16×0.5mm ² +3×1mm ²	230019-06-692
5.0M	19pins	16×0.5mm ² +3×1mm ²	230019-06-693
7.5M	19pins	16×0.5mm ² +3×1mm ²	230019-06-694
10M	19pins	16×0.5mm ² +3×1mm ²	230019-06-695

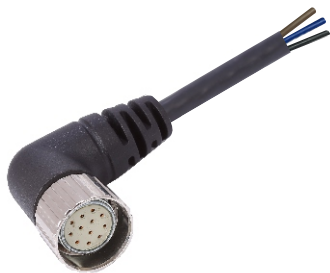
Specifications/技术参数

Number of contacts/芯数	19
Rated voltage/额定电压	150V
Rated current (40°C)/额定电流	16×8A+3×10A
Protection degree/防护等级	IP67/IP68
Operating temperature/工作温度	-40°C ~ +80°C
Cable OD /线材直径	11.5mm

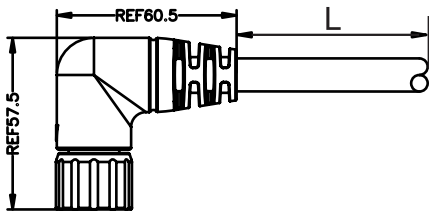
M23 Circular connectors

Female cable (90°)

Product figure

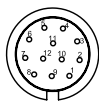


Scale diagram

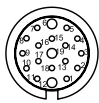


Contact layout/针孔排布 (Front view/前视图)

12pins



19pins



Circuit diagram/电路图

1	white
2	green
3	yellow
4	gray
5	pink
6	red
7	black
8	violet
11	brown 0.75mm ²
9	blue 0.75mm ²
12	green/yellow 0.75mm ²

15	white
7	gray/pink
5	green
4	red/blue
16	yellow
8	white/green
3	gray
14	brown/green
17	pink
9	white/yellow
2	red
13	yellow/brown
11	black
10	white/gray
1	violet
18	gray/brown
19	brown 1.0mm ²
6	blue 1.0mm ²
12	green/yellow 1.0mm ²

Order No/订货号

Cable length 线材长度	Contacts 芯数	Wire diameter 线径	PVC		PUR	
			black/黑色	gray/灰色	black/黑色	gray/灰色
1.5M	12pins	8×0.34mm ² +3×0.75mm ²	230012-06-901	230012-06-941	230012-06-921	230012-06-961
	19pins	16×0.34mm ² +3×0.75mm ²	230019-06-901	230019-06-941	230019-06-921	230019-06-961
3.0M	12pins	8×0.34mm ² +3×0.75mm ²	230012-06-902	230012-06-942	230012-06-922	230012-06-962
	19pins	16×0.34mm ² +3×0.75mm ²	230019-06-902	230019-06-942	230019-06-922	230019-06-962
5.0M	12pins	8×0.34mm ² +3×0.75mm ²	230012-06-903	230012-06-943	230012-06-923	230012-06-963
	19pins	16×0.34mm ² +3×0.75mm ²	230019-06-903	230019-06-943	230019-06-923	230019-06-963
7.5M	12pins	8×0.34mm ² +3×0.75mm ²	230012-06-904	230012-06-944	230012-06-924	230012-06-964
	19pins	16×0.34mm ² +3×0.75mm ²	230019-06-904	230019-06-944	230019-06-924	230019-06-964
10M	12pins	8×0.34mm ² +3×0.75mm ²	230012-06-905	230012-06-945	230012-06-925	230012-06-965
	19pins	16×0.34mm ² +3×0.75mm ²	230019-06-905	230019-06-945	230019-06-925	230019-06-965

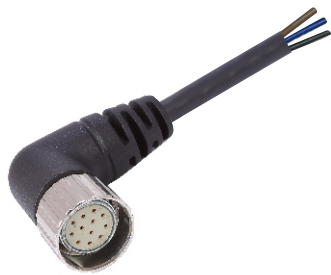
Specifications/技术参数

Number of contacts/芯数	12	19
Rated voltage/额定电压	150V	
Rated current (40°C)/额定电流	8A	16×8A+3×10A
Protection degree/防护等级	IP67/IP68	
Operating temperature/工作温度	-40°C~+80°C	
Cable OD /线材直径	9.1mm	10.6mm

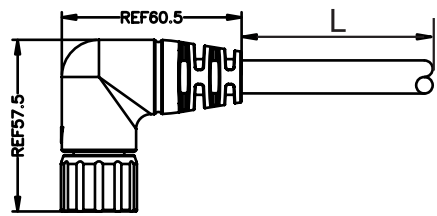
M23 Circular connectors

Female cable (90°)

Product figure

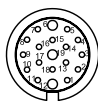


Scale diagram

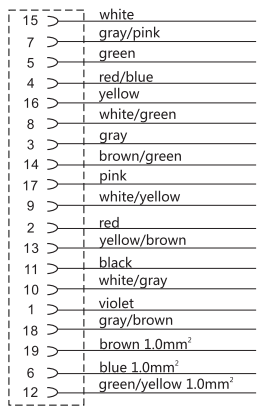


Contact layout/针孔排布 (Front view/前视图)

19pins



Circuit diagram/电路图



Order No/订货号

Cable length 线材长度	Contacts 芯数	Wire diameter 线径	PUR
			gray/灰色
1.5M	19pins	16×0.5mm ² +3×1mm ²	230019-06-991
3.0M	19pins	16×0.5mm ² +3×1mm ²	230019-06-992
5.0M	19pins	16×0.5mm ² +3×1mm ²	230019-06-993
7.5M	19pins	16×0.5mm ² +3×1mm ²	230019-06-994
10M	19pins	16×0.5mm ² +3×1mm ²	230019-06-995

Specifications/技术参数

Number of contacts/芯数	19
Rated voltage/额定电压	150V
Rated current (40°C)/额定电流	16×8A+3×10A
Protection degree/防护等级	IP67/IP68
Operating temperature/工作温度	-40°C~+80°C
Cable OD /线材直径	11.5mm

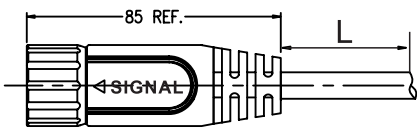
M23 Circular connectors

Female cable (with shield)

Product figure

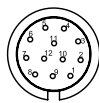


Scale diagram

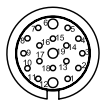


Contact layout/针孔排布 (Front view/前视图)

12pins



19pins



Circuit diagram/电路图

1	white
2	green
3	yellow
4	gray
5	pink
6	red
7	black
8	violet
11	brown 0.75mm ²
9	blue 0.75mm ²
12	green/yellow 0.75mm ²

15	white
7	gray/pink
5	green
4	red/blue
16	yellow
8	white/green
3	gray
14	brown/green
17	pink
9	white/yellow
2	red
13	yellow/brown
11	black
10	white/gray
1	violet
18	gray/brown
19	brown 1.0mm ²
6	blue 1.0mm ²
12	green/yellow 1.0mm ²

Order No/订货号

Cable length 线材长度	Contacts 芯数	Wire diameter 线径	PVC+AEB		PUR+AEB	
			black/黑色	gray/灰色	black/黑色	gray/灰色
1.5M	12pins	8×0.34mm ² +3×0.75mm ²	230012-06-611	230012-06-651	230012-06-631	230012-06-671
	19pins	16×0.34mm ² +3×0.75mm ²	230019-06-611	230019-06-651	230019-06-631	230019-06-671
3.0M	12pins	8×0.34mm ² +3×0.75mm ²	230012-06-612	230012-06-652	230012-06-632	230012-06-672
	19pins	16×0.34mm ² +3×0.75mm ²	230019-06-612	230019-06-652	230019-06-632	230019-06-672
5.0M	12pins	8×0.34mm ² +3×0.75mm ²	230012-06-613	230012-06-653	230012-06-633	230012-06-673
	19pins	16×0.34mm ² +3×0.75mm ²	230019-06-613	230019-06-653	230019-06-633	230019-06-673
7.5M	12pins	8×0.34mm ² +3×0.75mm ²	230012-06-614	230012-06-654	230012-06-634	230012-06-674
	19pins	16×0.34mm ² +3×0.75mm ²	230019-06-614	230019-06-654	230019-06-634	230019-06-674
10M	12pins	8×0.34mm ² +3×0.75mm ²	230012-06-615	230012-06-655	230012-06-635	230012-06-675
	19pins	16×0.34mm ² +3×0.75mm ²	230019-06-615	230019-06-655	230019-06-635	230019-06-675

Specifications/技术参数

Number of contacts/芯数	12	19
Rated voltage/额定电压	150V	
Rated current (40°C)/额定电流	8A	16×8A+3×10A
Protection degree/防护等级	IP67/IP68	
Operating temperature/工作温度	-40°C~+80°C	
Cable OD /线材直径	9.1mm	10.6mm