

ECN	REV	DESCRIPTION	DATE	APPROVED

1. 芯 数/NO. of contacts

系 列/Series	303	304	305	306	308	312	317
孔位排列/Pin Number							
适配线缆/Conductor size	22AWG	22AWG	22AWG	24AWG	24AWG	26AWG	26AWG
导体直径/Pin size	1.0mm	1.0mm	1.0mm	0.8mm	0.8mm	0.6mm	0.6mm
额定电流/Rated current	4A	4A	4A	2A	2A	1A	1A
额定电压/Rated voltage	250V	250V	60V	30V	30V	30V	30V

3. 编码原则/Part Number

浮动式插头/Free Plug M12G 2 305 A F L B G1 D** Z

主型号/Type

外观/Appearance:2

针数/Pin Number

绝缘体型号/Insulator coded:A、B、D

绝缘体类型/Insulator type:F=Female

针类型/Sold Tpye:L=Turning

针长度/Pin Length:B=Standard

表面处理/Plating:Gold Flash

线夹/Collect

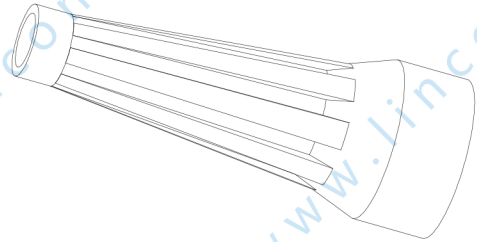
护套/Bend relief

4. 技术特性/Technical Characteristics

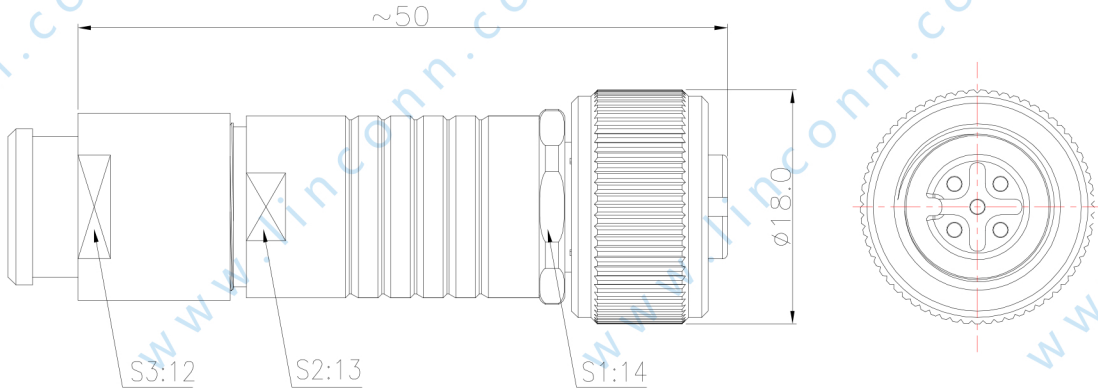
- 寿命/Durability: >500 mate/unmate cycles
- Pin接触电阻/ Pin Contact Resistance: ≤10 mΩ
- 绝缘电阻/Insulation Resistance: ≥ 100 MΩ
- 温度等级/Rated Temperature: -25° C, +80° C
- 盐雾/Corrosion Resistance: Salt spray test, >48h
- 防水等级/Waterproof: IP67

2. 绝缘体型号/Insulator Coded

Coded	A	B	D
型号			



护套/Bend relief



11	尾螺帽/Collect Nut: 黄铜镀铬/Brass,Chrome plated
10	线夹/Collect: 黄铜镀镍/Brass,Nickel plated
9	金属垫/Washer: 黄铜镀镍/Brass,Nickel plated
8	弹性垫圈/Gasket: 硅胶/Silicone rubber
7	接地锥/Earthing cone: 黄铜镀镍/Brass,Nickel plated
6	外壳/Outer Shell: 黄铜镀铬/Brass,Chrome plated
5	六角固定座/Hexagonal Screw: 黄铜镀镍/Brass,Nickel plated
4	密封圈/O-RING: Rubber
3	M12 外壳/M12 Outer Shell: 黄铜镀镍/Brass,Nickel plated
2	绝缘体/Insulator: PA BLACK
1	母针芯/PIN: 磷铜镀金/Phosphor copper, G/F
序号 ITEM	名称 & 规格/Name & Description

	SCALE	TOLERANCES ARE:		TITLE: 浮动式插头/Free Plug	
	F	DECIMALES	ANGLES	PART NO. M12G2305AFLBG1D**Z	
	SHEET	±	±	REV. *	
	1 OF 1	MM		LINCONN Linconn Elc Tech Co.,LTD	
DWG NO.	REV.	APPROVALS	DATE	DRAWN: S.peng 03/24/2014	
M12G	A0	APPROVED:			
		CHECKED:			
		CHECKED:			