

## 高电压型插芯技术参数 High-voltage plug core technical parameter

### 1 插芯 Inserts

接插件针数 Inserts Number of contacts	3,6,12,20+PE
依据 DIN EN 61984 的电气数据	
- 额定电流 Rated current	16A
- 额定电压 Rated voltage	830V
- 额定脉冲电压 Rated impulse voltage	8KV
- 污染程度 Pollution degree	3
- 当污染程度 2 时的参数 Pollution degree 2 also	16A 1000V 8kV 2
- 或 Or	16A 720V/1250V 8kV 2
- 保险加长针 Insurance and long needle	16A 500V 6kV 3
依据 UL/CSA 额定电压 Rated voltage	600V
保险延迟针 Insurance delay pin	250V
绝缘电阻 Insulation resistance	$\geq 10^{10}\Omega$
材料 Material	聚碳酸酯 Polycarbonate
工作温度范围 Limiting temperatures	-40°C ...+125°C
阻燃等级 Flammability	V0
可拔插次数 Mating cycles	$\geq 500$

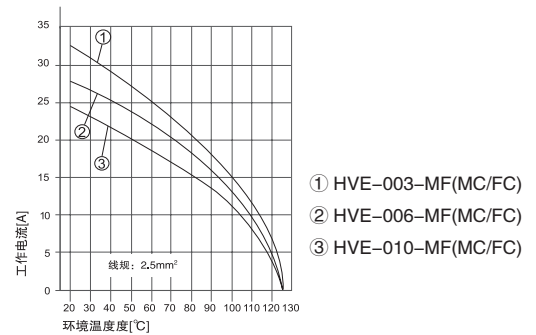
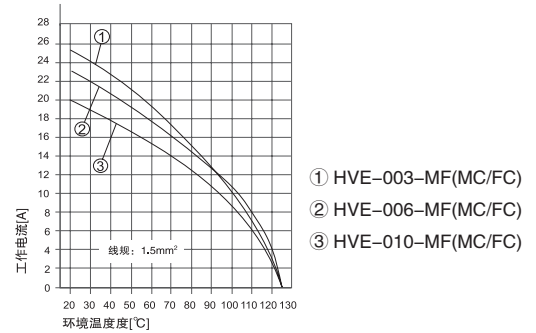
### 2 插针 Contacts

材料 Material	铜合金 Copper alloy
表面处理 Surface	镀银 Hard-silver plated
接触电阻 Contact resistance	$\leq 1m\Omega$
螺钉连接 Screw terminal	
- 导线规格 Wire specifications	0.14-2.5mm <sup>2</sup>
- AWG	26-14
- 拧紧 / 检测力矩 Tightening torque	0.5Nm
- 剥线长度 Stripping length	7.0mm
冷压连接 Crimp terminal	
- 导线规格 Wire specifications	0.14-4.0mm <sup>2</sup>
- AWG	26-12
- 剥线长度 Stripping length	7.5mm

### 电流负载能力 Current carrying capacity

电流负载能力所受的限制主要来自包含接插针的接插体可承受的最大温度测试和控制过程依据 DIN EN 60512-5

Current load capacity, mainly from the restrictions include plug the plug of the needle body can withstand maximum temperature Testing and control process according to DIN EN 60512-5



一个完整冷压插芯型所需的插针分配:

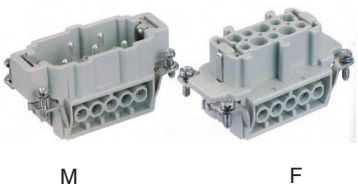
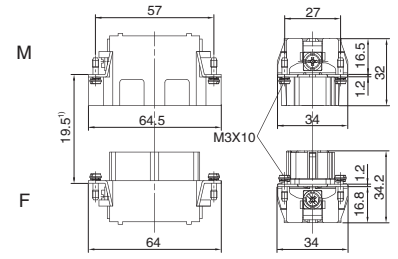
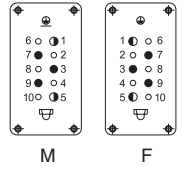
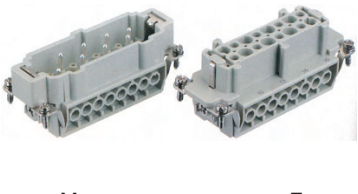
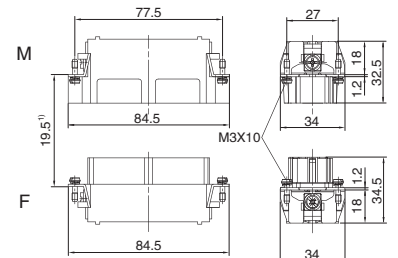
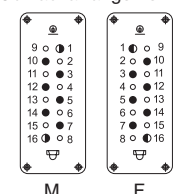
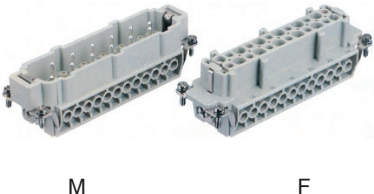
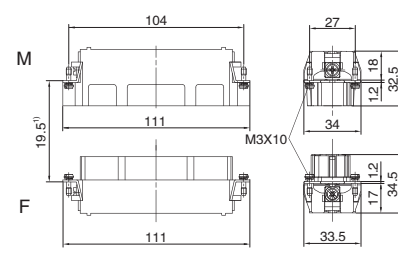
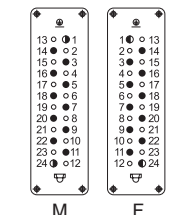
型号 Type	总针数	工作针	保险延迟针
HVE-003	5	3	2
HVE-006	8	6	2
HVE-010	12	10	2



# HVE 高电压型接插体 CONNECT THE HIGH VOLTAGE TYPE BODY

额定电流 Rated current: 23 A 额定电压 Rated voltage: 830 V

HVE 接插体

		订货号 Part No.		尺寸图 Drawing (mm)	
		公接插针 Male insert	母接插针 Female insert		
<p>保险针 Safe high voltage connections 接线方式: 螺钉压接 Termination methods: Screw terminal</p>  <p>M F</p>	HVE-003+2-M	1340032601	<p>1) 接插体之间最大距离 21mm Distance for contact max. 21mm</p>  <p>M F</p>		
	<p>线规 Wire gauge: 0.5-4.0 mm<sup>2</sup> 适配 H10B 外壳, 详见 7.13.4 页 Suitable for H10B housing, see page 7.13.4</p>	HVE-003+2-F		1340032701	<p>接插针排序 Contact arrangement</p>  <p>M F</p>
<p>保险针 Safe high voltage connections 接线方式: 螺钉压接 Termination methods: Screw terminal</p>  <p>M F</p>	HVE-006+2-M	1340062601	<p>1) 接插体之间最大距离 21mm Distance for contact max. 21mm</p>  <p>M F</p>		
	<p>线规 Wire gauge: 0.5-4.0 mm<sup>2</sup> 适配 H16B 外壳, 详见 7.13.8 页 Suitable for H16B housing, see page 7.13.8</p>	HVE-006+2-F		1340062701	<p>接插针排序 Contact arrangement</p>  <p>M F</p>
<p>保险针 Safe high voltage connections 接线方式: 螺钉压接 Termination methods: Screw terminal</p>  <p>M F</p>	HVE-010+2-M	1340102601	<p>1) 接插体之间最大距离 21mm Distance for contact max. 21mm</p>  <p>M F</p>		
	<p>线规 Wire gauge: 0.5-4.0 mm<sup>2</sup> 适配 H24B 外壳, 详见 7.13.12 页 Suitable for H24B housing, see page 7.13.12</p>	HVE-010+2-F		1340102701	<p>接插针排序 Contact arrangement</p>  <p>M F</p>