

HTK-3/0, HTK-3/2 大电流接插芯 HIGH CURRENT CONNECTORS

额定电流 Rated current: 200A 额定电压 Rated voltage: 1150V / 2000 V

	型号 Type	公接插针 Male insert	母接插针 Female insert	尺寸图 Drawing (mm)
接线方式: 轴向螺栓压接 Termination methods: Axial screw terminal	HTK-3/0-M	1280032611		1) 接插体之间最大距离 21mm Distance for contact max. 21mm
	HTK-3/0-F		1280032711	
M	HTK-3/2-M	1280032611		
F	HTK-3/2-F		1280032711	
适配 HRP 外壳, 详见 6.14. 页 Suitable for HRP housing, see page 6.14.				

技术参数 Technical characteristics

1 插芯 Inserts

插插件针数 Inserts Number of contacts	3/0+PE, 3/2+PE
依据 DIN EN 61984 的电气数据 Electrical data	
电源区 Power area	
- 额定电流 Rated current	200A
- 额定电压 Rated voltage	1150V / 2000V
- 额定脉冲电压 Rated impulse voltage	8kV
- 污染程度 Pollution degree	3
污染程度 2 时的参数 Pollution degree 2 also	200A 2000V 12kV 2
信号区 Signal area	
- 额定电流 Rated current	16A
- 额定电压 Rated voltage	400V
- 额定脉冲电压 Rated impulse voltage	6kV
- 污染程度 Pollution degree	3
污染程度 2 时的参数 Pollution degree 2 also	16A 500V 6kV 2
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
依据 UL/CSA 额定电压 Rated voltage	V0
可接插次数 Mating cycles	≥ 500

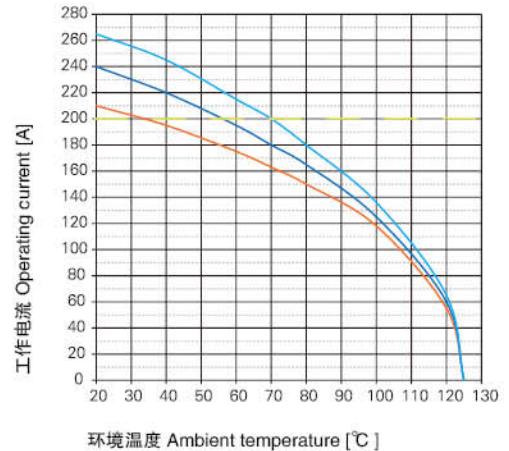
2 插针 Contacts

材料 Material	铜合金 Copper alloy
表面处理 Surface	镀银 Hard-silver plated
接触电阻 Contact resistance	$\leq 0.2 \text{ m}\Omega$
电缆绞线依据 IEC 60 228-5	
轴向螺栓连接 Axial screw terminal	
强电针	
- 导线截面	35-70 mm ²
- AWG	2-00
- 内六角扳手	SW5
- 剥线长度	22mm
	mm ² 35 50 70
- 拧紧力矩	N.m 8 9 10
接地针	
- 导线截面	16-35 mm ²
- AWG	5-2
- 内六角扳手	SW4
- 剥线长度	14mm
- 拧紧力矩	6 N.m
信号针 (仅 HK-003/2) Signal contacts	
- 横截面	2.5 mm ²
- AWG	14
- 剥线长度	7mm
- 拧紧力矩	0.5 N.m

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



— 导线截面 Wire gauge: 70 mm²
 — 导线截面 Wire gauge: 50 mm²
 — 导线截面 Wire gauge: 35 mm²

24B 高防护外壳带 HK-003/0 插芯