HQ 技术特性 Technical characteristics

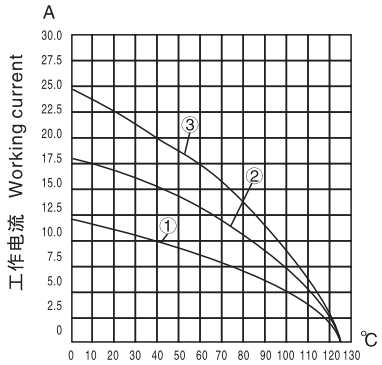




电流负载能力
Current carrying capacity

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
The current carrying is limited by maximum temperature of materials for inserts and contacts including terminals

测试和控制过程依据DIN IEC 60512–5
Control and test procedures according to DIN IEC 60512–5



环境温度/Ambient temperature
Wire gauge: ① 0.75mm²
② 1.5mm²
③ 2.5mm²

HQ

规范/Specifications

DIN EN 60 664
DIN EN 61 984

接插体/Inserts

接插件针数/Number of contacts	7+PE
工作电流/Working current	10A
工作电压/Working voltage	400 V
额定脉冲耐受电压/Rated impulse voltage	6 KV
污染等级/Pollution degree	3
当污染程度2时参数/Pollution degree 2 also	10A 400/690 V 6KV 2
绝缘电阻/Insulation resistance	≥10^{10}Ω
材料/Material	Polycarbonate
阻燃等级UL94/Flammability acc.to(UL94)	V0
工作温度范围/Limiting temperatures	–40℃ ~ +125℃
插拔次数/Mechanical working life (mating cycles)	≥500
据UL/CSA工作电压/Working voltage acc.to UL/CSA	600V

接插针/Contacts

材料/Material	铜/Copper alloy
表面处理/Surface	镀金/Gold plated 镀银/Silver plated
接触电阻/Contact resistance	≤3mΩ
接线形式/Terminal	冷压压接/Crimp terminal
导线规格/Wire gauge	0.14–2.5mm²(AWG26–14)
PE导线规格/Wire gauge	2.5mm²(AWG14)

SO-HQ

插芯/Insert 400V 10A

接插件针数
Number of contacts

7 + ⏚

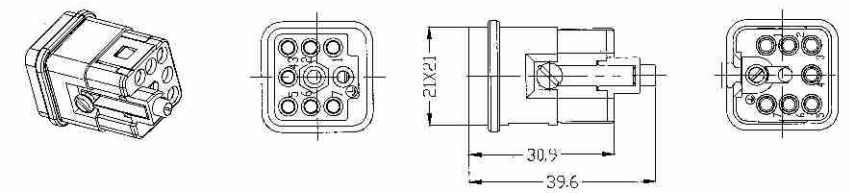




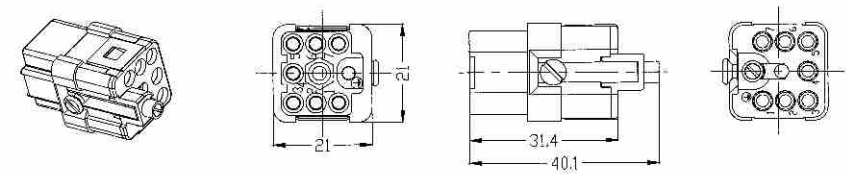

TYPE	SO-HQ-007/0-MC	SO-HQ-007/0-FC	SO-KRCP-Q7M	SO-KRCP-Q7F

尺寸图
Drawing (Dimensions in mm)

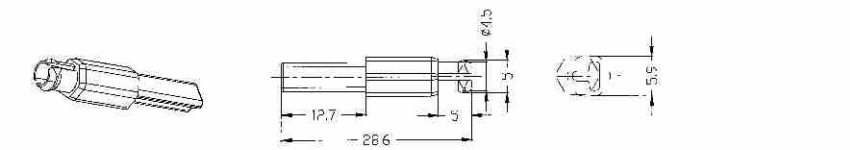
公插体
Male insert (MC)



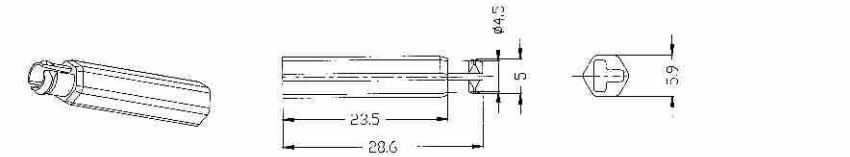
母插体
Female insert (FC)



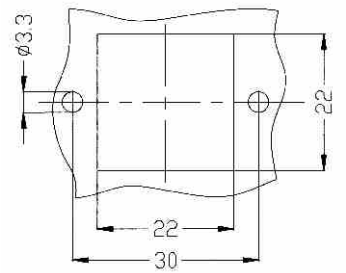
编码销
Coding pins (M)



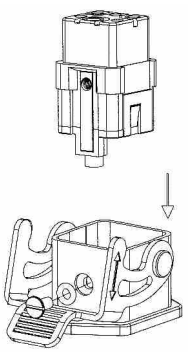
编码销
Coding pins (F)



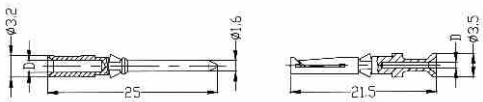
面板安装开孔图
Panel cut out for inserts
for use without hoods/housings



Note: 配套外壳 Suit hood/housing: Size H3A
外壳详细参数见“外壳部分”
Hood/Housing detail on "Hood/Housing" section



安装示意图
Mounting example



Crimp contacts	Wire gauge		D	Stripping length
Gold plated	0.14-0.37mm²	AWG 26-22	0.90mm	8mm
	0.5mm²	AWG 20	1.10mm	8mm
	0.75mm²	AWG 18	1.30mm	8mm
Silver plated	1.0mm²	AWG 18	1.45mm	8mm
	1.5mm²	AWG 16	1.75mm	8mm
	2.5mm²	AWG 14	2.25mm	6mm

Note: 10A冷压针需另外订购，订货号详情请参见第100页
Crimp termina of 10A should order contacts
pins separately,detail please refer to page 100

HQ