



技术参数:

- 插芯:
- 插针数: 4/2+PE
  - 额定电流:
    - 电力区: 40A
    - 信号区: 10A
  - 额定电压:
    - 电力区:
      - 400V (相对地额定电压)
      - 690V (相间额定电压)
    - 信号区: 250V
  - 额定脉冲电压:
    - 电力区: 6kV
    - 信号区: 4kV
  - 污染等级: 3
  - 依据UL/CSA的额定电压: 600/250V
  - 绝缘阻抗:  $>10^{10}\Omega$
  - 材料: 聚碳酸酯
  - 颜色: RAL 7032 (浅灰色)
  - 温度范围:  $-40^{\circ}\text{C} - +125^{\circ}\text{C}$
  - 依据UL 94的阻燃等级: V0
  - 可插拔次数:  $>500$
- 塑料外壳:
- 材料: 热塑性塑料
  - 联锁元件: 聚酰胺 (尼龙)
  - 外壳密封: 丁腈橡胶
  - 温度范围:  $-40^{\circ}\text{C} - +125^{\circ}\text{C}$
  - 依据UL 94的阻燃等级: V0
  - 防护等级: IP65 (联锁状态, IEC 60529)
- 插针:
- 接线方式: 冷压连接
  - 材料: 铜合金
  - 表面处理:
    - 镀银
    - 镀金
  - 接触电阻:  $<0.3\text{m}\Omega$
  - 线径范围:
    - 强电针:  $1.5-6\text{mm}^2$  (16-10 AWG)
    - 信号针:  $0.14-2.5\text{mm}^2$  (26-14 AWG)
  - 最大绝缘直径:
    - 强电针: 5mm
- 工具:
- 冷压钳:
    - TL02G(0.5-4mm<sup>2</sup>)
    - TL02-0G(1.5-6mm<sup>2</sup>)
  - 退针器:
    - TL00(10A退针器)
    - TL06G(40A退针器)

Technical specification:

- Inserts:
- No. of contact: 4/2+PE
  - Rated current:
    - Power side: 40A
    - Signal side: 10A
  - Rated voltage:
    - Power side:
      - 400V(rated voltage conductor - ground)
      - 690V(rated voltage conductor - conductor)
    - Signal side: 250V
  - Rated impulse voltage:
    - Power side: 6kV
    - Signal side: 4kV
  - Pollution degree: 3
  - Rated voltage acc.to UL/CSA: 600/250V
  - Insulation resistance:  $>10^{10}\Omega$
  - Material: polycarbonate
  - Colour: RAL 7032(light grey)
  - Temperature range:  $-40^{\circ}\text{C} - +125^{\circ}\text{C}$
  - Flammability acc.to UL 94: V0
  - Mating cycles:  $>500$
- Contacts:
- Terminal: crimp terminal
  - Material: copper alloy
  - Surface:
    - Hard-silver plated
    - Hard-gold plated
  - Contact resistance:  $<0.3\text{m}\Omega$
  - Wire gauge:
    - Power contacts:  $1.5-6\text{mm}^2$  (16-10 AWG)
    - Signal contacts:  $0.14-2.5\text{mm}^2$  (26-14 AWG)
  - Max. insulation diameter: 5mm
- Plastic hoods/housings:
- Material: thermoplastic
  - Locking element: polyamide
  - Hoods/Housings seal: NBR
  - Temperature range:  $-40^{\circ}\text{C} - +125^{\circ}\text{C}$
  - Flammability acc.to UL 94: V0
  - Degree of protection: IP65 (acc.to IEC 60529 for coupled connector)
- Tools:
- Crimping tool:
    - TL02G(0.5-4mm<sup>2</sup>)
    - TL02-0G(1.5-6mm<sup>2</sup>)
  - Contact removal tool:
    - TL00(for crimp contacts 10A)
    - TL06G(for crimp contacts 40A)

						表面处理 Finish		-		图号 Drawing No.	-
						材料 Material		-		产品代号 Part Code	HQ-004/2-MC
标记 Mark	处数 Number	变更描述/Description		签名 Signature	日期 Date	比例 Scale		版本 REV.	重量 Weight	数量 Qty.	产品料号 Part No.
		姓名/Name	日期/Date	姓名/Name	日期/Date	1:1	V1.0	12.5g	-		产品名称 Part Name
绘图 Drawn				标准化 Stand.	-						
审核 Checked											
工艺 Process	-	-		批准 Approved				All Dimensions in mm Original Size DIN A 4		沈阳思沐源科技有限公司 Shenyang Simuyuan Technology Co., Ltd	