

# TS4 连接器规格书TS4 Connector Datasheet

## TS4连接器简介TS4 Connector Overview

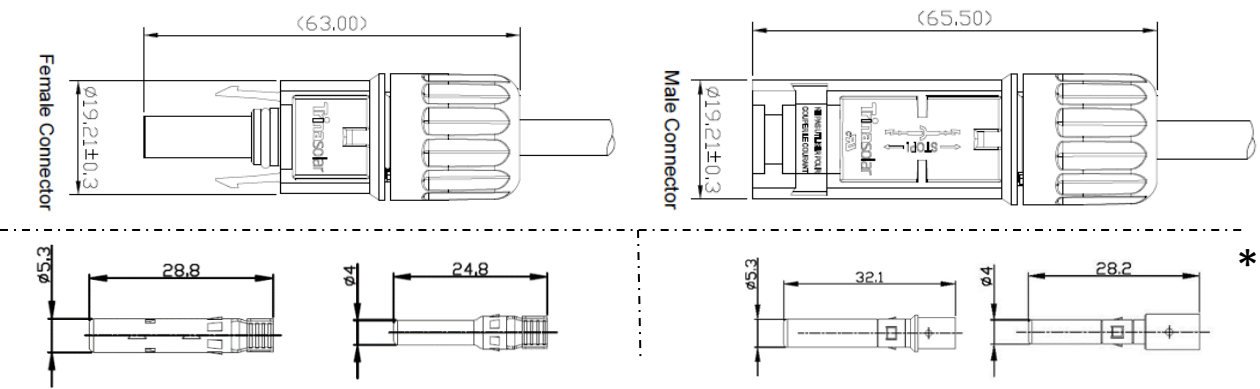
- 使用高质量材料，保证长期可靠性  
Use high quality materials that guarantee long-term reliability
- 低接触电阻，高载流能力，保证产品高效性  
Lower contact resistance and higher current transfer capability ensure high product efficiency
- 防水等级达到IP68，工作温度-40 °C to 85 °C  
TS4 connectors have IP68 water-proof rating and can be used in a wide operating temperature range from -40 °C to 85 °C



## TS4连接器技术参数TS4 Connector Specifications

|                                 |                                                                                                          |
|---------------------------------|----------------------------------------------------------------------------------------------------------|
| 额定电压Rated voltage               | IEC 1500V&UL 1500V                                                                                       |
| 额定电流Rated current @IEC (85°C)   | 41A (4.0mm <sup>2</sup> / 12AWG)<br>46A (6.0mm <sup>2</sup> / 10AWG)<br>55A (10.0mm <sup>2</sup> / 8AWG) |
| 额定脉冲电压Rated impulse voltage     | 16KV                                                                                                     |
| 环境温度范围Ambient temperature range | -40°C~+85°C                                                                                              |
| 接触电阻Contact resistance          | ≤0.5mΩ                                                                                                   |
| 应用等级Application degree          | Class A                                                                                                  |
| 防护类别Protection class            | Class II                                                                                                 |
| 污染等级Pollution degree            | 2                                                                                                        |
| 防护等级Degree of protection        | IP68 (1m, 1h) , 已插合mated<br>IP2X, 未插合unmated                                                             |
| 阻燃等级Flame class                 | UL94-V0                                                                                                  |
| 绝缘材料Insulation material         | m-PPE/PA                                                                                                 |
| 金属材料Contact material            | 铜，镀锡Copper, Tin-plated                                                                                   |
| 接线方式Type of termination         | 压接Crimping                                                                                               |
| 锁紧系统Locking system(UL)          | 嵌入式Locking type                                                                                          |
| TUV,IEC62852                    | R50401767, R50385924                                                                                     |
| UL,UL6703                       | E486009                                                                                                  |

外观尺寸图Appearance Size Drawing(mm)

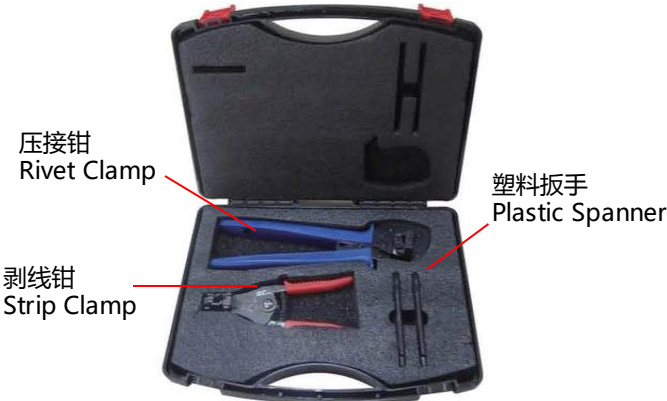


产品选型表Product Selection Form

| 型号Type  | 料号P/N    | 电缆<br>外径<br>Cable<br>OD | 导体截面积<br>Conductor Cross<br>Section |       | 工具料号Tool P/N                     |                              |                        |  |  |  |  |  |
|---------|----------|-------------------------|-------------------------------------|-------|----------------------------------|------------------------------|------------------------|--|--|--|--|--|
|         |          |                         |                                     |       | 剥线钳料号<br>Wire<br>Stripper<br>P/N | 压接工具料号<br>Rivet Plier<br>P/N | 扳手料号<br>Spanner<br>P/N |  |  |  |  |  |
|         |          | mm                      | mm <sup>2</sup>                     | AWG   |                                  |                              |                        |  |  |  |  |  |
| TS4-F1  | 7A000986 | 4.7-6.0                 | 4.0/6.0                             | 12/10 | 7A001039                         | 7A001038                     | 7A001040               |  |  |  |  |  |
| TS4-M1  | 7A000987 |                         |                                     |       |                                  |                              |                        |  |  |  |  |  |
| TS4-F2  | 7A000982 | 5.6-6.8                 |                                     |       |                                  |                              |                        |  |  |  |  |  |
| TS4-M2  | 7A000983 |                         |                                     |       |                                  |                              |                        |  |  |  |  |  |
| TS4-F3  | 7A002404 | 6.0-6.6                 |                                     |       |                                  |                              |                        |  |  |  |  |  |
| TS4-M3  | 7A002425 |                         |                                     |       |                                  |                              |                        |  |  |  |  |  |
| TS4-F4  | 7A000984 | 6.0-7.2                 |                                     |       |                                  |                              |                        |  |  |  |  |  |
| TS4-M4  | 7A000985 |                         |                                     |       |                                  |                              |                        |  |  |  |  |  |
| TS4-F5* | 7A000992 | 7.2-8.7                 |                                     |       | 7A001036                         |                              |                        |  |  |  |  |  |
| TS4-M5* | 7A000981 |                         |                                     |       |                                  |                              |                        |  |  |  |  |  |
| TS4-F6* | 7A000990 | 10.0                    | 8                                   |       |                                  |                              |                        |  |  |  |  |  |
| TS4-M6* | 7A000991 |                         |                                     |       |                                  |                              |                        |  |  |  |  |  |

工具箱Toolkit

| 工具 TOOL             | 数量 QTY. |
|---------------------|---------|
| 剥线钳Strip Clamp      | 1 pc    |
| 压接钳Rivet Clamp      | 1 pc    |
| 塑料扳手Plastic Spanner | 2 pcs   |



请严格按照安装手册操作! Please strictly follow the installation manual.