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|-----|-----|-------------|------|----------|
| ECN | REV | DESCRIPTION | DATE | APPROVED |
| | | | | |

1) 2K系列推拉自锁连接器简介

2K series connectors provide the following main features:

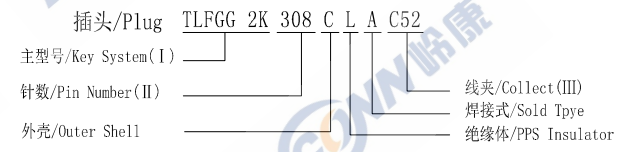
- security of the Push-Pull latching system -multipole types 2 to 32 contacts
- solder, crimp or print (straight or elbow) contacts -high packing density for space savings
- multiple key options to avoid cross mating -keying system (<G>key standard) for connector alignment
- 360° screening for full EMC shielding
- rugged housing for extreme working conditions -watertight connection (IP67/IP66)

2) 技术特性/Technical Characteristics

使用环境/Environment: 室外/outdoor
 温度等级/Rated Temperature: -25°, +150°
 寿命/Durability: >500 mate/unmate cycles
 盐雾/Corrosion Resistance: Salt spray test>144h
 防水等级/Protection Index: IP67/IP66

Note: IP67 achieved providing that the cable is perfectly circular and that assembly process ensures a high integrity seal.

3) 编码原则/Part Number



4) 编码说明/Part number example

定位销/Key System (I)

| KEY LAYOUT | 键位/Key Type | G | A | B | C | D | E | F | L |
|------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 键位/Key | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| | 外壳型号/Type | TLFGG | TLFGA | TLFGB | TLFGC | TLFGD | TLFGE | TLFGF | TLFGL |
| | 角度/Angle | 0° | 30° | 45° | 60° | 95° | 120° | 145° | 75° |
| | | / | α | | | γ | β | | γ |

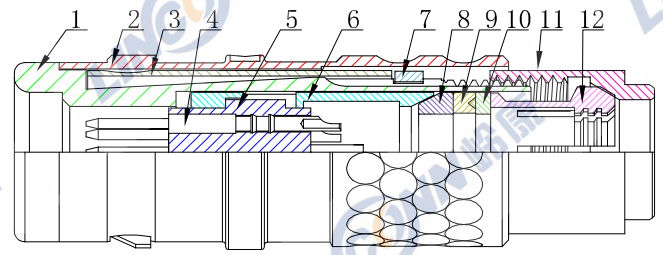
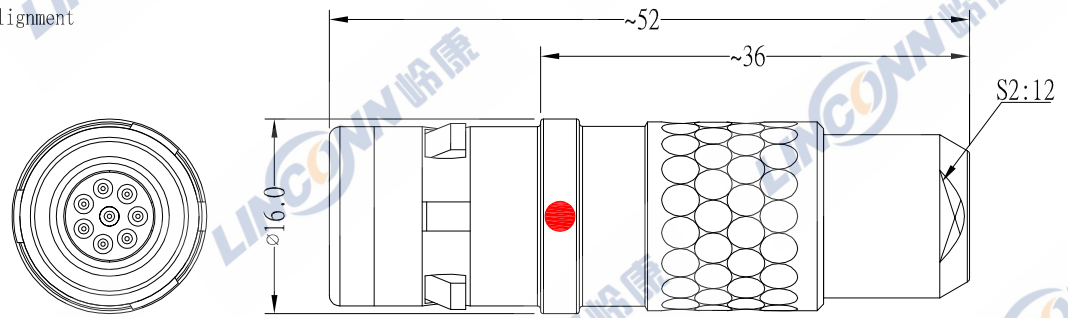
线夹护套/Collect (III)

| 线夹代号/code | 42 | 52 | 62 | 72 | 82 | 92 | 102 |
|-----------------|---------|---------|---------|---------|---------|---------|--------|
| 线径/Cable OD | 3.0-4.0 | 4.1-5.0 | 5.1-6.0 | 6.1-7.0 | 7.1-8.0 | 8.1-9.0 | 9.1-10 |
| 线夹/Collect Size | 4.2mm | 5.2mm | 6.2mm | 7.2mm | 8.2mm | 9.2mm | 10.2mm |

针数/Pin Number (II)

| 系列/Series | 302 | 303 | 304 | 305 | 306 | 307 | 308 | 310 | 312 |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 孔位排列/Pin Number | | | | | | | | | |
| 导体直径/Pin size | 2.0mm | 1.6mm | 1.3mm | 1.3mm | 1.3mm | 1.3mm | 0.9mm | 0.9mm | 0.7mm |
| 适配线缆/Conductor size | 14AWG | 16AWG | 20AWG | 20AWG | 20AWG | 20AWG | 22AWG | 22AWG | 22AWG |
| 额定电流/Rated current | 25A | 17.0A | 15.0A | 14.0A | 12.0A | 11.0A | 10.0A | 8.0A | 7.0A |

| 系列/Series | 314 | 316 | 318 | 319 | 326 | 332 |
|---------------------|-------|-------|-------|-------|-------|-------|
| 孔位排列/Pin Number | | | | | | |
| 导体直径/Pin size | 0.7mm | 0.7mm | 0.7mm | 0.7mm | 0.5mm | 0.5mm |
| 适配线缆/Conductor size | 22AWG | 22AWG | 22AWG | 22AWG | 28AWG | 28AWG |
| 额定电流/Rated current | 6.5A | 6.0A | 5.5A | 5.0A | 2.0A | 1.5A |



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|----|--|
| 9 | 弹性垫圈/Gasket: 硅胶/Silicone rubber |
| 8 | 接地锥/Earthing cone: 黄铜镀镍/Brass, Nickel plated |
| 7 | 固定环/Retaining ring: 黄铜镀镍/Brass, Nickel plated |
| 6 | 固定片/Insulator Carrier: 黄铜镀镍/Brass, Nickel plated |
| 5 | 绝缘体/Insulator: PPS |
| 4 | 公针芯/Pin: 黄铜镀金/Brass, Gold plated |
| 3 | 锁定套筒/Latch Sleeve: 铜镀镍/copper, Nickel plated |
| 2 | 外壳/Outer Shell: 黄铜镀铬/Brass, Chrome plated |
| 1 | 内壳/Inner Shell: 黄铜镀镍/Brass, Nickel plated |
| 12 | 线夹/Collect: 黄铜镀镍/Brass, Nickel plated |
| 11 | 尾螺帽/Collect Nut: 黄铜镀铬/Brass, Chrome plated |
| 10 | 金属垫/Washer: 黄铜镀镍/Brass, Nickel plated |

| | | | |
|----------------------------|----------------------------|--|----------------------------|
| 序号/ITEM | 名称 & 规格/Name & DESCRIPTION | 序号/ITEM | 名称 & 规格/Name & DESCRIPTION |
| | | TITLE: 插头/Plug PART NO. TLFGG 2K 308 CLAC REV. * | |
| SCALE: F | | TOLERANCES ARE: DECIMALES ANGLES | |
| SHEET DIMENSION: 1 OF 2 MM | | APPROVALS DATE | |
| DWG NO. TLFGG2K | | REV. A0 | |
| DRAWN: pengsen | | DATE: 26/02/2020 | |