

ECN	REV	DESCRIPTION	DATE	APPROVED

1) 1K系列推拉自锁连接器简介

1K series connectors provide the following main features:

- security of the Push-Pull latching system -multipole types 2 to 16 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

插头/Plug TL TGG 1K 308 C L A C52 Z

主型号/Key System (I)

针数/Pin Number (II)

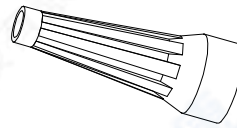
外壳/Outer Shell

护套/Bend relief

线夹/Collect (III)

焊接式/Sold Type

绝缘体/PPS Insulator



护套/Bend relief
SCALE 1:2

线夹/Collect (III)

线夹代号/code	32	42	52	62	72
线径/Cable OD	2.5-3.0	3.1-4.0	4.1-5.0	5.1-6.0	6.1-7.0
线夹/Collect Size	3.2mm	4.2mm	5.2mm	6.2mm	7.2mm

4) 编码说明/Part number example

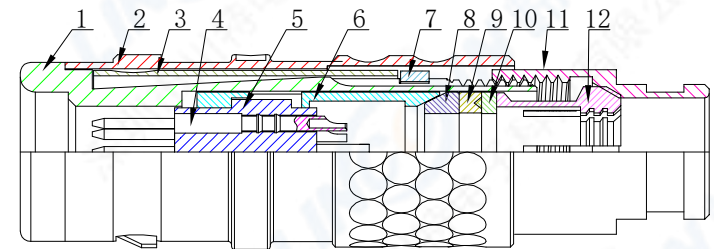
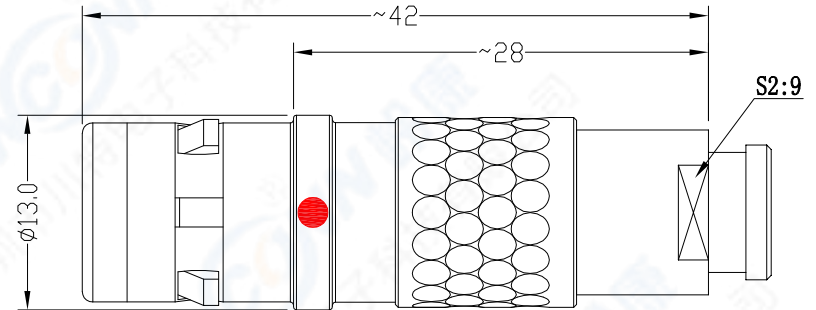
定位销/Key System (I)

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	TLTGG	TLTGA	TLTGB	TLTGC	TLTGD	TLTGE	TLTGF	TLTGL
	角度/Angle	0°	30°	45°	60°	95°	120°	145°	75°
		/	α			γ	β		γ

针数/Pin Number (II)

系列/Series	302	303	304	305	306	307	308	310	314	316
孔位排列/Pin Number										
导体直径/Pin size	1.3mm	1.3mm	0.9mm	0.9mm	0.7mm	0.7mm	0.7mm	0.5mm	0.5mm	0.5mm
适配线缆/Conductor size	20AWG	20AWG	22AWG	22AWG	22AWG	22AWG	22AWG	28AWG	28AWG	28AWG
额定电流/Rated current	15A	12A	10A	9A	7A	7A	5A	2.5A	2.0A	1.5A

	SCALE	TOLERANCES ARE: DECIMALES ANGLES	
	F	$\begin{matrix} x \pm \\ \cdot x \pm \end{matrix}$	$\begin{matrix} \pm \\ \pm \end{matrix}$
	SHEET	DIMENSION	APPROVALS
	1 OF 1	MM	DATE
DWG NO.	REV.	CHECKED:	CHECKED:
TLTGG1K	A0	DRAWN: pengsen	26/02/2020



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
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: 黄铜镀镍/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
序号 ITEM	名称 & 规格/Name & DESCRIPTION

TITLE:	插头/Plug	
PART NO.	TLTGG 1K 308 CLACZ	REV. *
Lincconn Elec Tech Co., LTD		