

ECN	REV	DESCRIPTION	DATE	APPROVED

1) 1K系列推拉自锁连接器简介

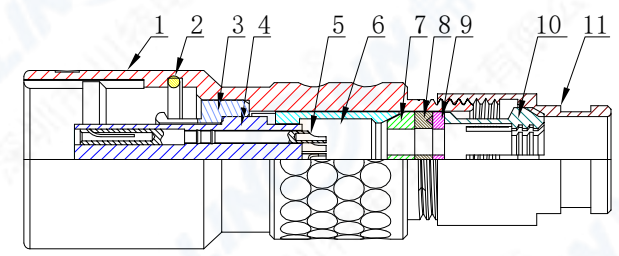
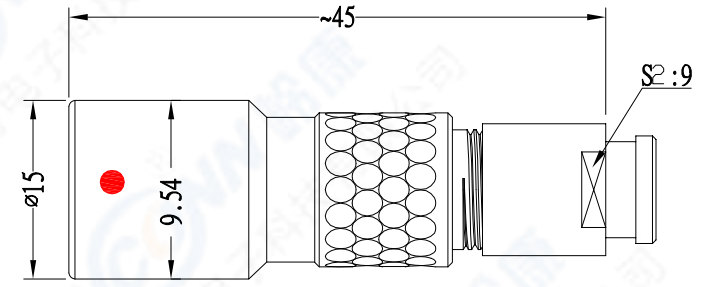
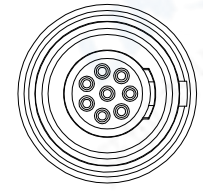
1K series connectors provide the following main features:

- 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

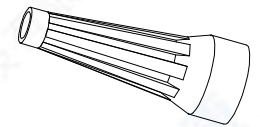
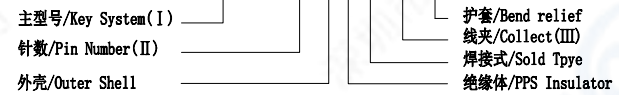
使用环境/Environment: 室外/outdoor
 温度等级/Rated Temperature: -25°, +150°
 寿命/Durability: >500 mate/unmate cycles
 盐雾/Corrosion Resistance: Salt spray test>144h
 防水等级/Protection index:IP67/IP66

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

浮动式插座/Free socket TLTHG 1K 308 C L L C52 Z



护套/Bend relief
SCALE 1:2

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	TLTHG	TLTHA	TLTHB	TLTHC	TLTHD	TLTHE	TLTHF	TLTHL
	角度/Angle	0°	30°	45°	60°	95°	120°	145°	75°
		α			γ		β		γ

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

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

11	尾螺帽/Collect Nut: 黄铜镀铬/Brass, Chrome plated
10	线夹/Collect: 黄铜镀镍/Brass, Nickel plated
9	金属垫/Washer: 黄铜镀镍/Brass, Nickel plated
8	弹性垫圈/Gasket: 硅胶/Silicone rubber
7	接地锥/Earthing cone: 黄铜镀镍/Brass, Nickel plated
6	固定环/Retaining ring: 黄铜镀镍/Brass, Nickel plated
5	母针芯/Pin: 磷铜镀金/Phosphor copper, Gold plated
4	绝缘体/Insulator: PPS
3	接地环/Earthing crown: 黄铜镀镍/Brass, Nickel plated
2	密封圈/O-RING: 橡胶/Rubber
1	外壳/Outer Shell: 黄铜镀铬/Brass, Chrome plated
序号 ITEM	名称 & 规格/Name & DESCRIPTION

	SCALE	TOLERANCES ARE:	
	F	DECIMALES	ANGLES
SHEET	DIMENSION	APPROVALS	
1 OF 1	MM	APPROVED:	DATE
DWG NO.	REV.	CHECKED:	
TLTHG1K	A0	CHECKED:	
		DRAWN:	pengsen 26/02/2020

TITLE: 浮动式插座/Free socket
 PART NO. TLTHG 1K 308 CLLCZ
 REV. *

