

FILE: TL\003\TL003V-XXP-XS

REV	E.C.N NO.	CONTENT	CHK	DATE
V2.0	S2307003	Update the drawing	GJJ	2023.09.12

NOTES:

1. UL:

Rating:300V, 10A;

Insulation Withstands Voltage:AC1600V/MIN;

Suitable Electric Wire:26AWG~16AWG

Using Temperature Range:-40℃~+105℃

2. IEC:

Rating:160V, 16A;

Rate Impulse Voltage:2500V;

Insulation Resistance:500MΩ or more at DC500V;

Contact Resistance: ≤5mΩ

Material Group: I ;

Pollution Degree:2;

Overvoltage Category:III;

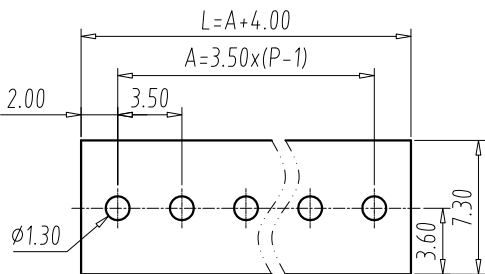
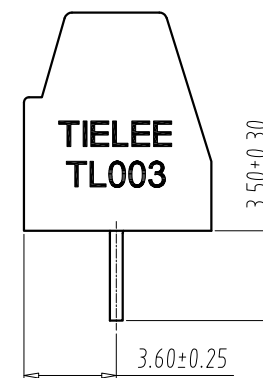
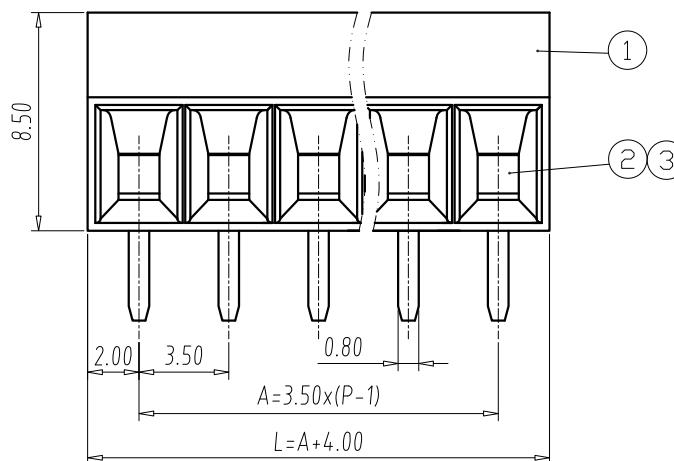
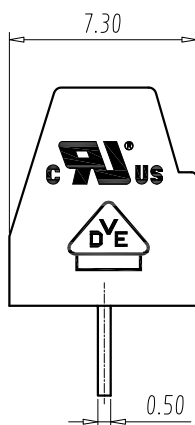
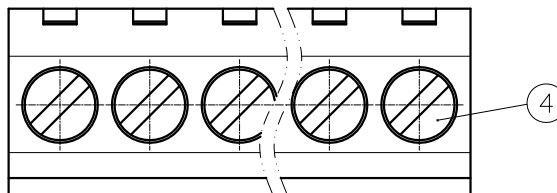
Suitable Electric Wire:0.2mm²~1.5mm²

Using Temperature Range:-40℃~+120℃;

3. Screw Torque Value:0. 2N • m

4. Strip length:5.0-6.0mm

5. RoHS compliance;

PCB LAYOUT
S=2.5:1

DIM	P	2	3	4	5	6	7	8	9	10	11	12					
		L	7.5	11	14.5	18	21.5	25	28.5	32	35.5	39	42.5				
	A	3.5	7.0	10.5	14.0	17.5	21.0	24.5	28.0	31.5	35.0	38.5					
DIM	P	13	14	15	16	17	18	19	20	21	22	23	24				
		L	46	49.5	53	56.5	60	63.5	67	70.5	74	77.5	81	84.5			
	A	42.0	45.5	49.0	52.5	56.0	59.5	63.0	66.5	70.0	73.5	77.0	80.5				
Total Pitch Tolerances in mm									Nominal dimension range in mm								
over 0 to 30	over 30 to 53	over 53 to 70	over 70 to 90	over 90 to 115	over 115 to 150	over 150 to 200	over 200 to 250	over 250 to 320	over 0 to 30	over 30 to 53	over 53 to 70	over 70 to 90	over 90 to 115	over 115 to 150	over 150 to 200	over 200 to 250	over 250 to 320
±0.20	±0.25	±0.3	±0.35	±0.44	±0.55	±0.70	±0.85	±1.00	±0.25	±0.30	±0.35	±0.44	±0.55	±0.70	±0.80	±0.90	±1.20

4	SCREW	P	STEEL	M2/Zn Plated
3	SOLDER PIN	P	Copper Alloy	Tin Plated
2	BLOCK	P	Copper Alloy	Ni Plated
1	HOUSING	1	PA66	UL94V-0
ITEM	NAME OF PART	Q'TY	MATERIAL	NOTE

DWG.	ZHT	DATE	2021.03.09	UNITS	MM	SHEET/OF	1/1
CHK.		DATE		SCALE	3.5 : 1	A4	
APP.		DATE					
TIANLI ELECTRICAL MACHINERY(NINGBO)CO.,LTD.				NAME	TL003V-XXP-XS		
				DWGNO.	TLDW-TL003VXXPXS		