

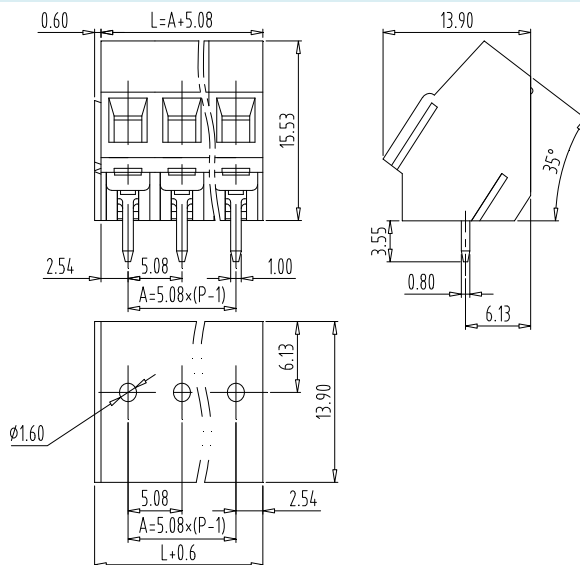
## PCB terminal block — TL series(Raising Clamp)—TL307



■ 图示(Pic. shown) : TL307-05P(G12S/M3)

General. PCB terminal block Rated :320V,24A , 2.5mm<sup>2</sup>  
Single row , 5.08mm pitch , 02P-24P Pole  
Wiring orientation: 35°(wire-to-board)  
Screw clamp unit: M3, 0.5Nm

认证 ( Approval )



| ■ 技术参数Technical Data                                                                                                             |  | UL standard                                                             |    |                           | IEC standard                          |         |        |
|----------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------------------------------|----|---------------------------|---------------------------------------|---------|--------|
| UL应用组别(UL Application group)                                                                                                     |  | UL Application group                                                    |    |                           | IEC过电压别/污染等级(IEC overvoltage category |         |        |
| IEC过电压别/污染等级(IEC overvoltage category                                                                                            |  | B                                                                       | C  | D                         | /pollution degree)                    |         |        |
| /pollution degree)                                                                                                               |  |                                                                         |    |                           | III / 3                               | III / 2 | II / 2 |
| 额定电压(Rated voltage)                                                                                                              |  | 300V                                                                    | -- | 300V                      | --                                    | 320V    | --     |
| 额定电流(Rated current)                                                                                                              |  | 20A                                                                     | -- | 10A                       | --                                    | 24A     | --     |
| 额定连接容量(Rated connection capacity)                                                                                                |  | 24~12AWG                                                                |    |                           | 0.2~2.5mm <sup>2</sup>                |         |        |
| 刚性导线横截面 ( AWG ) ( Conductor cross section,solid )                                                                                |  |                                                                         |    | 24~12                     |                                       |         |        |
| 柔性导线横截面 ( AWG ) ( Conductor cross section,stranded )                                                                             |  |                                                                         |    | 24~12                     |                                       |         |        |
| 刚性导线横截面 ( mm2 ) ( Conductor cross section,rigid )                                                                                |  |                                                                         |    | 0.2~2.5                   |                                       |         |        |
| 柔性导线横截面 ( mm2 ) ( Conductor cross section,flexible )                                                                             |  |                                                                         |    | 0.2~2.5                   |                                       |         |        |
| 柔性导线横截面 , 不带绝缘套管的冷压头(mm2)<br>(Conductor cross section flexible , with ferrule without plastic                                    |  |                                                                         |    | 0.25~2.5                  |                                       |         |        |
| 柔性导线横截面 , 带绝缘套管的冷压头(mm2)<br>(Conductor cross section flexible , with ferrule with plastic sleeve)                                |  |                                                                         |    | 0.25~2.5                  |                                       |         |        |
| 2根具有相同横截面的导线 , 柔性 , 带TWIN套管及塑料套管(mm2)<br>( 2 conductors with the same section flexible with TWIN ferrule<br>and plastic sleeve ) |  |                                                                         |    | 0.5~1.5                   |                                       |         |        |
| 绝缘材料(Insulation Material)                                                                                                        |  |                                                                         |    | PA66 UL94 V-0             |                                       |         |        |
| 绝缘材料组别(Material group)                                                                                                           |  |                                                                         |    | I                         |                                       |         |        |
| 电流承载部件材料和镀层( Material & Plating of Current carrier )                                                                             |  |                                                                         |    | Copper alloy , Tin plated |                                       |         |        |
| 接线弹片材料(Material of Clamp spring )                                                                                                |  |                                                                         |    | --                        |                                       |         |        |
| 耐电压(1分钟)(Withstanding Voltage/1Min)                                                                                              |  |                                                                         |    | 1600V                     |                                       |         |        |
| 额定冲击电压(Rated surge voltage)                                                                                                      |  |                                                                         |    | 4KV                       |                                       |         |        |
| 接线螺丝(Wire clamp unit Screw) , 最大扭矩( torque Max. )                                                                                |  |                                                                         |    | M3 , 0.5Nm                |                                       |         |        |
| 固定螺丝(Mounting Screw) , 扭矩(torque)                                                                                                |  |                                                                         |    | --                        |                                       |         |        |
| 剥线长度(Wire stripping length)                                                                                                      |  |                                                                         |    | 7.4mm                     |                                       |         |        |
| 使用温度(Operating temperature)                                                                                                      |  |                                                                         |    | -40°C up to +105°C        |                                       |         |        |
| 存储温度(Storage temperature)                                                                                                        |  |                                                                         |    | -40°C up to +70°C         |                                       |         |        |
| 存储相对湿度(Storage relative humidity)                                                                                                |  |                                                                         |    | ≤70%                      |                                       |         |        |
| 焊接方式(Soldering recommend)                                                                                                        |  | Wave soldering ,260°C 5S Max (Single Wave) , 260°C 10S Max(Double Wave) |    |                           |                                       |         |        |

## ■ 订购方式(How to order)

|                   |                     |                                |   |                                                        |   |                              |                                       |                                   |   |            |
|-------------------|---------------------|--------------------------------|---|--------------------------------------------------------|---|------------------------------|---------------------------------------|-----------------------------------|---|------------|
| TL                | 3                   | 07                             | — | XXXX                                                   | — | XXP                          | (G12)                                 | S                                 | / | M3)        |
| Series No.<br>系列号 | Pitch间距<br>3=5.08mm | Differentiate<br>Number<br>区分号 |   | Special code 特编号<br>XXXX=custom-made<br>blank=standard |   | No. of Poles<br>极数<br>02-24P | Color<br>颜色<br>Green: G12<br>Black: K | Screw Type<br>螺丝S=Slot<br>C=Cross |   | Screw Type |