

1 适用范围 Scope of application

WTL系列脉冲继电器，触点切换电流可达16A。线圈由脉冲信号触发，改变触点的状态；产品有两个稳定的机械位置，触点将在下一个脉冲来临时打开。每一个接收到的脉冲都将使触点的位置反转。与普通继电器在衔铁闭合时要持续通电相比，具有低功耗的特点。

产品能够实现远程控制线路，通过触点的转换控制照明电路，其电路的组成为：

- 白炽灯、卤素灯等（电阻性负载）
- 荧光灯、放电灯等（电感性负载）

符合标准：GB/T 21711.1

WTL series Impulse relay, the contact switching current can reach 16A. The coil is triggered by a pulse signal to change the state of the contact; The product has two stable mechanical positions, and the contact will open when the next pulse comes. Each received pulse will reverse the position of the contact. Compared with the common relay, which needs to be continuously energized when the armature is closed, it has the characteristics of low power consumption.

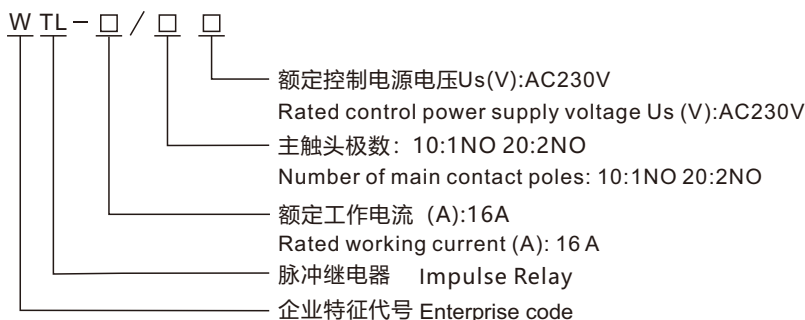
The product can implement the remote control circuit and control the lighting circuit through the conversion of contacts. The composition of the circuit is as follows:

- Incandescent lamp, Halogen lamp, etc. (resistive load)
- Fluorescent lamps, Discharge lamps, etc. (inductive load)

Standard: GB / T 21711.1



2 型号含义 Product model and meaning



3 正常工条件和安装条件 Normal working and installation conditions

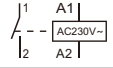
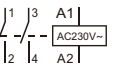
温度范围 Temperature range	-25℃ ~ +55℃
污染等级 Pollution levels	污染等级 I Pollution levels I
安装位置 Installation position	任意 Arbitrary
防护等级 Protection grade	IP20
过电压类别 Overvoltage category	II

4 主要参数及技术性能 Main parameters and technical performance

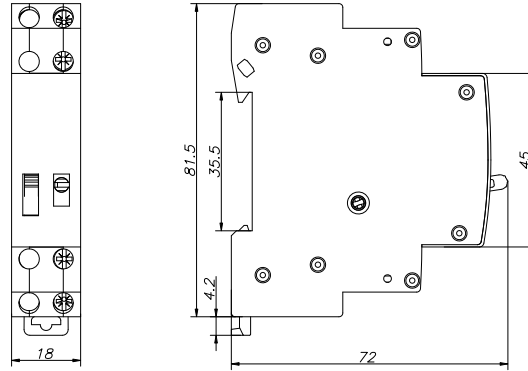
耗散功率 (脉冲持续时间内) Dissipated power (within pulse duration)	1, 2P: 19 VA
带指示灯的按钮控制 Button control with indicator light	最大电流 3 mA
动作时间 (20℃, 额定电压) Actuation time(20℃,Rated voltage)	≤20ms
冲击(稳定性) Shock resistance(Stability)	加速度100m/s ² , 脉冲持续时间11ms Accelerated100m/s ² Pulse duration 11ms
振动 Vibration	双振幅1mm, (10~55)Hz Double-amplitude 1mm,(10~55)Hz
安装方式 Installation method	35mm导轨式 35mm Rail type
外形尺寸(mm) Boundary dimension(mm)	86×72×18
主电路额定电压 (Ue) 1P,2P Rated voltage of main circuit (Ue): 1P, 2P	24...250 V AC
频率 Frequency	50 Hz 或 60 Hz
每分钟最大操作次数 Maximum operations per minute	5
每天最大开关次数 Maximum switching times per day	100
脉冲电压持续时间 Pulse voltage duration	50ms≤t<1s (推荐200ms) 50ms≤t<1s (Recommend200ms)
电压范围 Voltage range	85% ~ 110%
触点负载(阻性)Contact load(resistive)	WTL-16:16A 250VAC
最大开关电压 Max. Switching Voltage	250VAC
最大开关电流 Max.Switching current	WTL-16:16A
最大切换功率 Max.Switching power	WTL-16:4000VA 448W
电气寿命(次) Electrical life(Times)	1×10 ⁵
机械寿命(次) Mechanical life(Times)	2×10 ⁵



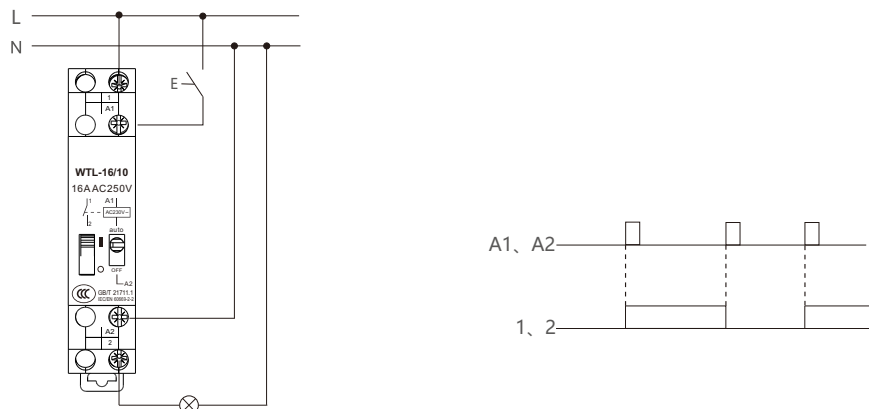
4.1 规格参数 Specification parameter

规格型号 Type specification	额定电流 Rated current	线路图 Circuit diagram	控制电压 Control voltage
WTL-16/10	16A		24VAC/12VDC 48VAC/24VDC 230VAC/110VDC
WTL-16/20	16A		

5 外形及安装尺寸 Outline and installation dimensions



6 接线图及时序图 Wiring diagram and sequence diagram



7 订货须知 Ordering instructions

7.1 订货时须指出：产品完整的型号名称；线圈电压；订货数量。

7.2 订货示例：

需要订购的产品型号名称：

WTL-16/10脉冲继电器；线圈电压：AC230V；订购数量：100台。

订购时书写：WTL-16/10 AC230V 100台

7.1 When ordering, it must be pointed out the complete model name of the product, coil voltage and order quantity.

7.2 Ordering example:

Product model name to be ordered:

WTL-16 / 10 pulse relay; Coil voltage: AC230V; Order quantity: 100 sets.

Written when ordering: WTL-16 / 10 AC230V 100 sets