

TPS31

三电源供电模块

THREE POWER SUPPLY MODULE



简介

提供三选一交流电源输出，可检测输入电压并对电压异常做出判断并控制输出。可用于断路器或转换开关供电。

特点

- 三路单相交流电输入（三选一或二选一供电）
- 两种工作模式：互为备用、按优先级供电
- 宽电压输入，可用于AC110/220V交流系统
- 切换时间短（<60ms），不间断供电
- 电压监测保护，保障供电正常
- 过欠压阈值可灵活设置，多种工作场景可用
- LINK通讯接口：上位机参数配置、升级程序
- 多种安装方式：导轨安装、螺钉安装
- LED灯可直观指示三路输入电压状态以及输出电压状态
- 三路N线分离设计

Overview

The module can provide three selective AC power output, detect input voltage, make accurate judgment and control voltage output for abnormal voltage. It is suitable for power supply with breakers or ATS.

Features

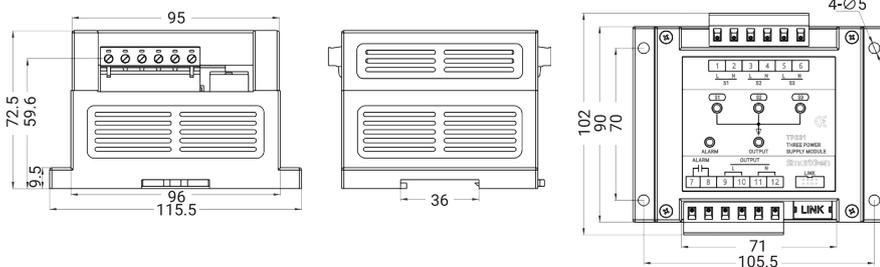
- Three single phase AC power input (Select one from three or two)
- Two working modes: mutual backup and power supply by priority
- Wide voltage input for 110VAC/220VAC system
- Short transfer time (<60ms), uninterrupted power supply
- Voltage monitoring and protection to ensure normal power supply
- Over/under voltage threshold can be flexibly set for various working scenarios
- LINK communication port for module parameter configuration and program upgrade
- Multiple installation methods: din rail installation and screw installation
- LED can intuitively indicate 3-way input voltage status and output voltage status
- 3-way N wire isolated design



电源 Power	供电范围: AC(90~305)V	Power Supply: AC(90~305)V
	整机功耗: <4.8W	Power Consumption: <4.8W
	额定频率: 50/60Hz	Rated Frequency: 50/60Hz
	最大输出电流: 12A	Max. Current Output: 12A
环境 Environment	工作温度: (-40~+70)°C	Working Temperature: (-40~+70)°C
	贮存温度: (-40~+70)°C	Storage Temperature: (-40~+70)°C
	贮存湿度: (20~93)%RH	Working Humidity: (20~93)%RH
结构 Structure	外形尺寸: 115.5 × 102mm × 72.5mm	Overall Dimensions: 115.5 × 102 × 72.5mm
标准和认证 Standards & Certificates	认证: CE	CE Certification
	振动: (5~8)Hz: 振幅±7.5mm (8~500)Hz: 加速度2g IEC 60068-2-6	Vibration: (5~8)Hz: amplitude=±7.5mm (8~500)Hz: a=2g (IEC 60068-2-6)
	冲击: 50g _n , 11ms, 半正弦 IEC 60068-2-27	Shock: 50g _n , 11ms, half-sine (IEC 60068-2-27)
	碰撞: 20g _n , 16ms, 半正弦 IEC 60255-21-2	Bump: 20g _n , 16ms, half-sine (IEC 60255-21-2)

● 尺寸 Dimensions

单位(Unit): mm



● 端口 Ports

一路电源S1(L N) Power S1	二路电源S2(L N) Power S2	三路电源S3(L N) Power S3
开关量输出ALARM (1) Digital Output (1)	输出电源OUTPUT(L N) Power	LINK