HAT821SI
双电源母联智能切换控制器

DUAL POWER BUS TIE CONTROLLER

● 简介

根据 S1、S2 电源状态，实现两台进线开关和母联开关 3 合 2 自动转换，配备合环功能，实现并联转换，且持续运行。广泛应用于电信、轨道交通、数据中心、智慧大厦等供电要求高的场合。

Overview

It can automatically transfer two incoming line switches and bus tie switches (3-in-2) according to S1 and S2 power supply status. With loop closing function, it can realize parallel transfer and continuous operation. It can be widely used in telecommunication, rail transport, data centers, smart buildings and other occasions which requires high quality power supply.

● 特点

- 4.3英寸LCD液晶，多种语言可选
- PT断线检测
- 负载开关逐级投切
- 自投自复、自投不自复，自复等待时间可设
- 开关并联报警输出
- 实时检测两路电源负载率，根据设定执行负荷智能卸载、加载
- 接地故障保护
- S1/S2过流警告或跳闸独立报警
- 2路RS485设计，可遥控发电机组开停机、ATS合分闸
- 可扩展开关量输入输出
- 开关脱扣故障报警
- 母联跳闸使能，母联带载情况下，若发生过流故障报警则分断母联
- 逆功率检测，发生逆功时跳闸保护
- 就地模式，控制器只显示不控制
- 实时时钟、历史记录(200)、黑匣子

Features

- 4.3-inch LCD screen with multiple languages
- PT wiring broken detection function
- Load switch stepwise transfer
- Auto transfer/auto restore, auto transfer/non-auto restore, and auto restore interval can be set
- Alarm output of switch parallel
- Real-time detection of the load rate for 2 power supplies, intelligent loading and unloading can be performed according to the settings
- Earth fault protection
- Independent overcurrent warning or trip alarm function for S1/S2
- Dual RS485 ports to control the start/stop of gensets and opening/closing of ATS remotely
- Compatible with expansion digital input/output modules
- Switch trip fault alarm
- Bus tie switch enable function, when the bus tie switch is on load, if overcurrent fault alarm occurs, the switch will be opened
- Reverse power detection function can realize the trip protection when reverse power occurs
- Local mode, which means the controller can only display data or parameters, but cannot control the ATS
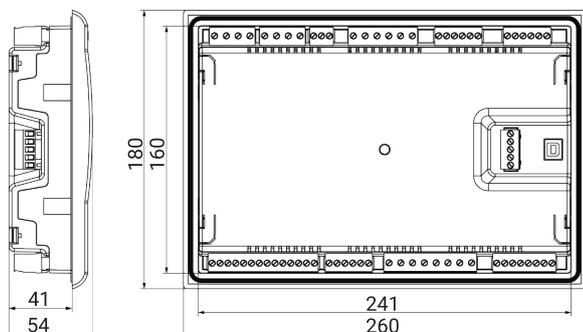- Functions of real-time clock, event log (200), and black box

电源 Power	工作电压： B+、B-端：DC12/24V/48V PA、PN端：AC(90~305)V或DC110V/DC220V 整机功耗：<6W(待机方式：≤2W)	Operating Voltage： Terminals of B+ and B-：DC12/24V/48V Terminals of PA and PN：AC(90~305)V or DC110V/DC220V Power Consumption：<6W(Standby mode：≤2W)
交流电压采样 AC Voltage Sampling	三相四线(L-L) (80~625)V 三相三线(L-L) (80~625)V 单相二线(L-N) (50~360)V 两相三线(L-L) (80~625)V	3P4W(L-L) (80~625)V 3P3W(L-L) (80~625)V 1P2W(L-N) (50~360)V 2P3W(L-L) (80~625)V
通信接口 Communication Port	RS485接口，隔离，半双工 2400/4800/9600/19200波特率可设置 Modbus-RTU通信协议，最远通信距离1000米 D型USB接口	RS485 Port: Isolated, half-duplex 2400/4800/9600/19200 baud rate can be set Modbus-RTU communication protocol, maximum communication distance 1000m Type-D USB port
结构 Structure	外形尺寸：260 × 180 × 54mm 开孔尺寸：242 × 161mm	Overall Dimensions：260 × 180 × 54mm Panel Cutout：242 × 161mm
环境 Environment	工作温度：(-25~+70)℃ 工作湿度：(20~93)%RH 贮存温度：(-30~+80)℃ 防护等级：IP65	Working Temperature：(-25~+70)℃ Working Humidity：(20~93)%RH Storage Temperature：(-30~+80)℃ IP Rating：IP65
标准和认证 Standards & Certificates	认证：CE 振动：(5~8)Hz：位移±7.5mm 　　　(8~500)Hz：加速度2g 　　　IEC 60068-2-6 碰撞：25g_n，16ms，半正弦 　　　IEC 60255-21-2 冲击：50g_n，11ms，半正弦 　　　IEC 60068-2-27	CE Certification Vibration: (5~8)Hz: amplitude=±7.5mm 　　　　　(8~500)Hz：a=2g 　　　　　(IEC 60068-2-6) Bump: 25g_n, 16ms, half-sine 　　　(IEC 60255-21-2) Shock: 50g_n, 11ms, half-sine 　　　(IEC 60068-2-27)

● 尺寸 Dimensions　　　　单位(Unit)：mm　　　● 端口 Ports

S1电压采样 S1 Voltage Sampling	S2电压采样 S2 Voltage Sampling	供电输入 Power Supply Input	可编程输出口(13) Aux. Output (13)	电流采样(2) Current Sampling (2)
				RS485(2)
				USB
直流工作电源 DC Power			可编程输入口(12) Aux. Input (12)	

CE