



Electric Automation
Automation specialists

Reference: RJ1P60MBT50ECS

Selected parameters SYSTEM DIN-rail Mount CURRENT RATING
CATEGORY 26 - 50 AAC RATED VOLTAGE 600 VAC OUTPUT
SWITCHING MODE Phase Angle & Full cycle switching NUMBER OF
POLES 1 CONTROL MODBUS POWER CONNECTION Captive Clamp
MODEL Solid State Contactor Others CURRENT RATING 50 AAC
CONTROL INPUT RS485 PRODUCT WIDTH 45 mm



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Solid State Relays

SOLITRON MIDI Modbus CommunicationInterface

TypeRJ1PMB

- AC semiconductor contactor
- MODBUS RTU interface over RS485
- RJ45 sockets for easy installation
- Dual sockets for daisy chaining
- Multi-function – 4 selectable modes of operation: ON/OFF, Phase angle, Distributed full cycle, Burst firing
- Operational ratings up to 50 AACrms and 600 VAC
- Temperature monitoring with over-temperature protection
- Opto isolation: > 4000 VACrms
- LED status indication

Product Description Ordering Key

RJ 1 P 23 MBT 50 E BC

The RJ1P MB series is a solid state relay equipped with a fieldbus communication interface.

The relay operates under control of a microcontroller that handles communication, monitors operational parameters and controls the SSR thyristor firing. The RJ1P MB supports

TypeSelection

the Modbus RTU communication protocol, operating over an RS485 interface.

The communicationinterface allows modification and reading of several parameters very quickly through a single connection. Diagnostic information is easily accessible for troubleshooting and repair.

Solid State Relay

Number of poles

Switching mode (Proportional) Rated operational voltage Control input type

Rated operational current Terminal layout Configuration options
SwitchingRated operationalControlRated operationalTerminal Options mode
voltageinputcurrentlayout
P: Proportional23: 230VACrms MBT: 2-wire Modbus RTU50: 50AACrms E: ContactorBC:
Basic Controller
Output 48: 480VACrms layoutCS: Current Sensing
60: 600VACrmsCV: Current & Voltage
Sensing
Selection Guide
Rated operational Blocking voltage Supply voltageControl input Rated operational
voltage current
230VACrms650Vp 24VDC RS485 interface (2-wire)RJ1P23MBT50EBC
RJ1P23MBT50ECS RJ1P23MBT50ECV
480VACrms1200Vp 24VDC RS485 interface (2-wire)RJ1P48MBT50EBC
RJ1P48MBT50ECS RJ1P48MBT50ECV
600VACrms1200Vp 24VDC RS485 interface (2-wire)RJ1P60MBT50EBC
RJ1P60MBT50ECS
RJ1P60MBT50ECV
ThermalSpecifications
Operating temperature-30 to +70°C (-22 to +158 °F) Storage temperature -40 to
+100°C (-40 to +212 °F)
Isolation
Rated isolation voltage
Input to output \geq 4000 VACrms
Output to case \geq 4000 VACrms
Specifications are subject to change without notice (04.11.2008) 1