

MBRS-205 Smart Modbus Communication Module

Description:

The MBRS-205 is a Smart Device which simplifies the communication between a Master Device and Multiple Slave Devices over the RS-485 Modbus network. This significantly reduces the Panel / Enclosure Wiring Time and Also reduces the number of Terminals required in the Panel / Enclosure. The MBRS-205 allows the connection of up to 6 RS-485 Slave Devices in a single Module; For networks having more than 6 Devices, multiple MBRS-205 devices can be Daisy Chained together. The MBRS-205 Device also allows the Distribution of Power Supply to the Various Slave devices, further reducing the Wiring Complexity. With additional features such as a 120 ohms terminating resistor and an option for active pull up and pull down (5 VDC), it increases the reliability and performance of Devices communicating using the Modbus RTU over RS-485 Protocol.



Benefits & Features:



Up-to six slave devices can be connected to one master device



Can be daisy chained for interfacing more than six slave devices



Option for 120 ohms terminating resistor for RS485 network.



Distributes power supply to the slave devices



Option for active pull up and pull down (5 V DC) for RS485 lines

Key Benefits



Improved Reliability



Easier Troubleshooting



Simplified Wiring



Enhanced Performance

Technical Specification:

Features	Features	Features	Features
Weight	120 gm	Mounting Type	DIN Rail mounting
Enclosure Material	ABS	No of Terminals	Six
Power Requirement	9 to 32 VDC (up to 100 mA/device)	IP class	20
Connector	No. of pins: Three and Five Connection method: Push-in spring	Dimensions	107 x 48 x 23 mm

Feature Diagram

