RS-485 Remote I/O Modules

MDA-8316
16-Channel Isolated Digital Input Module

System Specification

Communication
- Interface: RS-485
- Format: N, 8, 1
- Baud Rate: 9600 ~ 115200 bps
- Protocol: Modbus RTU

LED Indicator
- Power Indicator: 1
- Communication Indicator: 1
- I/O Indicator: 16

Isolation
- Voltage: 3000V DC

Power
- Input Range: 24V DC ±10%
- Consumption: Approx. 1W
- Reverse Polarity Protection: With

Environment
- Operating Temperature: -25 ~ +75 °C
- Storage Temperature: -40 ~ +85 °C
- Humidity: 10 ~ 95% RH, Non-condensing

I/O Specification

Digital Input
- Channels: 16 (Sink / Source)
- Input Type: Isolated with Common Power or Ground
- Off Voltage Level: +1 V Max.
- On Voltage Level: +4 to +30 V
- Input Impedance: 3 KΩ

Feature
- 16 Digital Input
- On/Off Control Systems
- Industrial Automation
- Building Automation
- Semiconductor Fabrication

Internal I/O Structure

Pin Assignments

Wire Connections
Dry Contact

TTL/CMOS
NPN Output

PNP Output