TECHNICAL SPECIFICATION



12 digital inputs and 4 relay outputs with Modbus

AMB-12I-40



Features

- 12x 30V DC digital inputs
- 4x NO relay outputs
- Baud rate: 9600 128000
- Modbus addresses: 8 bit RX/TX and activity indicators
- Powered 8-36V DC or AC
- DIN rail mounting

up to 30VDC and 4 relay output with 5A 230V range and NO relays enables a wide range of supply voltages.

The AMB-12I-4O input/output extender with Modbus RTU contacts. The power supply range is 8 to 36V and accept DC interface. It has 12 isolated digital inputs with voltage range or AC voltage. The use of DC / DC technology for supplying

Description	Parameter	
Serial Interface		
Interface Type	RS485	
Data Rate	9600bps ~ 128000bps	
Signals	A, B and GND	
Data Length	8 bits	
Parity	None	
Stop Bits	1	
Baudrate setting	4 way DIP switch	
Address setting	8 way DIP switch	
Connector	Screw connector, 28÷12AWG / 2.52mm	
Digital Inputs		
Input number	× 12	
Input type	Opto-isolated Opto-isolated 1kV	
Configuration	Every input separate	
VIN _{max}	30V DC	
Logic 1 Voltage range	3V to VIN _{max}	
Connector	Screw connector, 28÷12AWG / 2.52mm	

Digital outputs		
Output number	× 4	
Configuration	Potential free, relay NO	
Voltage and Load	3A 230V AC and 3A 30V DC	
Connector type	Screw connector, 28÷12AWG / 2.52mm	
Indicators		
Inputs indicators	× 12 3mm LED green	
Outputs indicators	× 4 3mm LED red	
RX/TX	× 2 3mm LED yellow/green	
Power	× 1 3mm LED red	
Activity	× 1 3mm LED blue	
Power supply		
Supply voltage	8-36V DC or 8-24V AC	
Power consumption	1.5W (all relay ON) 0.5W (relays off)	
Connector type	Screw connector, 28÷12AWG / 2.52mm	
Physical Characteristics		
Installation	DIN-Rail mounting	

Housing	PVC	
Dimensions (L×W×H)	120mm × 90mm × 50mm	
Weight	160g	
Environmental Specification		

 Operating Temp.
 -25 ~ 70°C (-13 ~ 158°F)

 Storage Temp.
 -40 ~ 85°C (-40 ~ 176°F)

 Ambient RH
 5% to 95% (non-condensing)

Model selection chart

Sn.	Model	Description
1	AMB-12I-40	Default specification

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