



DMDBM22

DIN rail mounted Power over Modbus distribution box

DMDBM22 is a DIN rail Modbus distribution box with 10 RJ45 and 12 RJ12 sockets. It transmits both data and electrical power (Power over Modbus). It is compatible with sensors, sensor controllers, HVAC controllers and fan speed controllers with Modbus RTU on board and suitable for long-distance power and data distribution between connected units. Both power supply and Modbus RTU communication are distributed to the connected devices via a single cable.

Key features

- \bullet 10 RJ45 connectors for Power over Modbus (both Modbus RTU and 24 VDC are distributed via the RJ45 connector)
- 12 RJ12 connectors for Power over Modbus (both Modbus RTU and 3,3 VDC are distributed via the RJ12 connector)
- · No software or configuration required
- Easy to connect
- DIN rail mountable
- Power supply green LED indication
- Reliable connection for permanent installations

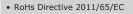
		Article codes
Article code	Supply voltage	Maximum distributed current (3,3 VDC and 24 VDC combined)
DMDBM22	24 VDC (PoM)	1,5 A

Technical specifica				
Power over Modbus	RJ45 connectors	24 VDC		
voltage	RJ12 connectors	3,3 VDC		
Maximum load	36 W @ 24 VDC / 1 W @3,3 VDC			
Imax	1,5 A (3,3 VDC and 24 VDC combined)		
Protection class	IP20			
Ambient conditions	Temperature m	-30—85 °C		
Ambient conditions	Relative humidity	5-85 % rH, non-condensing		
Enclosure	ABS plastic, colour: grey (RAL7035)			

Area of use

Modbus distribution for Modbus RTU compatible articles (RJ45 – for 24 VDC devices and / or RJ12 – for 3,3 VDC units)

	Standard
WEEE Directive 2012/19/EC	(





		Wiring and connections		
		RJ45 cable		
Pin 1	Supply voltage			
Pin 2	Supply voltage			
Pin 3	Modbus RTU communication, signal A			
Pin 4	Modbus RTU communication, signal A			
Pin 5	Modbus RTU communication, signal /B			
Pin 6	Modbus RTU communication, signal /B			
Pin 7	Ground, supply voltage			
Pin 8	Ground, supply voltage			
RJ12 sockets				
Pin 1	Supply voltage			
Pin 2	Supply voltage			
Pin 3	Modbus RTU communication, signal A			
Pin 4	Modbus RTU communication, signal /B			
Pin 5	Ground, supply voltage			
Pin 6	Ground, supply voltage			
	RJ45 sockets	RJ12 sockets		
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Attention: Make sure not to insert an RJ12 connector in an RJ45 socket! This will damage the device that requires 3,3 VDC power supply!



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