

# DRPS8-24-40

## DIN rail power supply module



DRPS8-24/40 are 24 VDC / 40 W DIN rail mounted power supply modules with two RJ45 connectors and terminal blocks for output voltage connection. They are Power over Modbus compatible and have a wide supply voltage range.

### Key features

- Connection via terminal blocks and / or RJ45 (Power over Modbus)
- Protections: overvoltage and overload (hiccup mode)
- Universal input range
- Output voltage green LED indication

### Technical specifications

Input voltage	85—264 VAC / 50—60 Hz		
Output voltage	24 VDC		
Output current rating	I <sub>max</sub> 1,67 A		
Ambient conditions	Temperature	-30—40 °C	
	Relative humidity	20—90 % rH, non-condensing	
Enclosure	ABS plastic, colour: grey (RAL7035)		
Protection standard	IP30		

### Wiring and connections

L	Supply voltage, line: 85—264 VAC / 50—60 Hz		
N	Supply voltage, neutral: 85—264 VAC / 50—60 Hz		
Output 1	24 VDC	Output voltage connection	
	GND	Ground for output voltage connection	
Output 2	24 VDC	Output voltage connection	
	GND	Ground for output voltage connection	
Output 3	RJ45 sockets for output voltage connection		
Output 4	RJ45 sockets for output voltage connection		

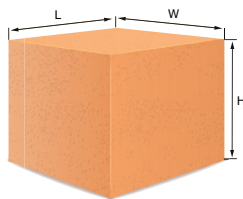
### RJ45 socket

Pin 1	24 VDC	Supply voltage
Pin 2		
Pin 3	A	Modbus RTU communication, signal A
Pin 4		
Pin 5	/B	Modbus RTU communication, signal /B
Pin 6		
Pin 7	GND	Ground, supply voltage
Pin 8		



**Attention:** The terminal block for the output voltage connection (+24 V, GND) duplicates the RJ45 connector (parallel circuit). To calculate the total load, add both charges.

### Packaging



Article	Packaging	Length [mm]	Width [mm]	Height [mm]	Net weight	Gross weight
DRPS8-24/40	Unit (1 pc.)	99	88	81	0,23 kg	0,28 kg
	Box (50 pcs.)	590	380	280	11,50 kg	14,57kg



### Area of use

- Supply for 24 VDC articles such as sensors, controllers and user interfaces

### Standards

- Low Voltage Directive 2014/35/EC
- EMC Directive 2014/30/EC:
  - EN 55022:2010 Amendment AC:2011 to EN 55022
  - EN 55024:2010
  - EN 61000-3-2:2014
  - EN 61000-3-3:2013
- RoHS Directive 2011/65/EC



### Global trade item numbers (GTIN)

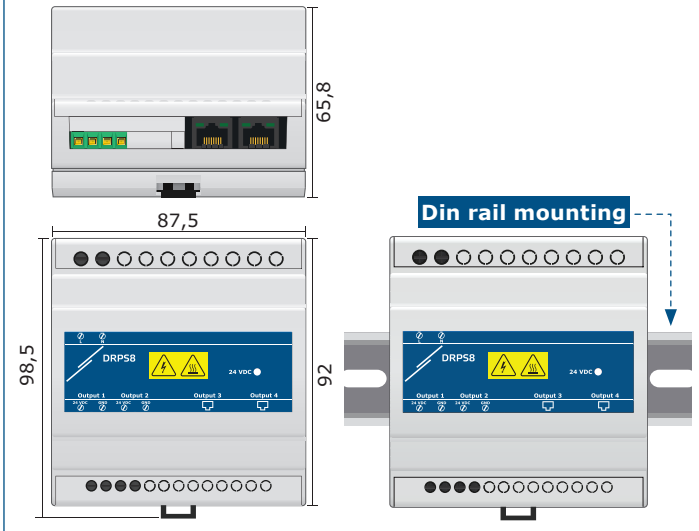
Packaging	DRPS8-24/40
Unit	05401003001769
Box	05401003500613

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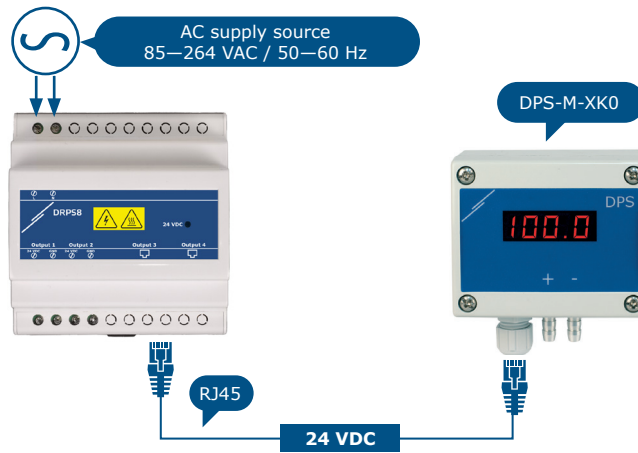


## Fixing and dimensions

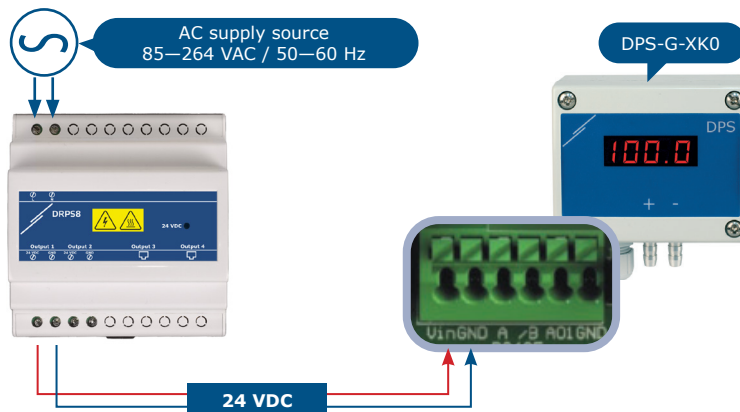


## Application examples

### Example 1: Power over Modbus supply connection



### Example 2: Terminal block supply connection



### Example 3: Combination of terminal blocks and PoM

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## Application examples

