

SEPS8-24/40

24 VDC power supply module

SEPS8-24/40 are compact 24 VDC / 40 W switch-mode power supply modules specially designed for harsh climate conditions. They are Power over Modbus compatible and have a wide supply voltage range.



Key features

- Connection with terminal block and / or RJ45 (Power over Modbus)
- Protections: overvoltage and overload (hiccup mode)
- Universal input range
- Power ON green LED indication

Technical specifications

Input voltage	85—264 VAC / 50—60 Hz	
Output voltage	24 VDC	
Output current rating	I _{max} 1,67 A	
Ambient conditions	Temperature	-30—40 °C
	Relative humidity	20—90 % rH, non-condensing
Enclosure	ABS plastic, colour: grey (RAL7035)	
Protection standard	IP65	

Wiring and connections

L	Supply voltage, line: 85—264 VAC / 50—60 Hz
N	Supply voltage, neutral: 85—264 VAC / 50—60 Hz
+24 V	Output voltage connection (24 VDC)
GND	Ground for output voltage connection

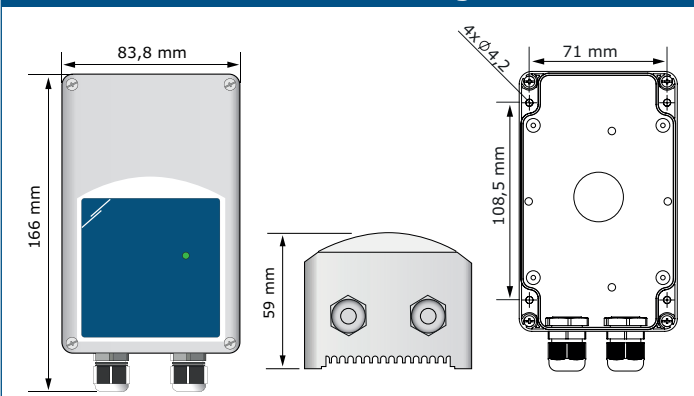
RJ45 socket

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.

Fixing and dimensions



Area of use

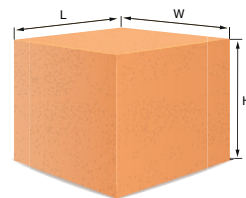
- Supply for 24 VDC articles used in harsh conditions

Standards

- Low Voltage Directive 2014/35/EC
- EMC Directive 2014/30/EC: Emission Standards: EN55022(CISPR22) Class B and EN61000-3-2,3; Immunity standards: EN61000-4-2,3,4,5,6,8,11 and EN55024, Heavy industry Level criteria A
- RoHs Directive 2011/65/EC



Packaging



Article	Packaging	Length [mm]	Width [mm]	Height [mm]	Net weight	Gross weight
SEPS8	Unit (1 pc.)	170	95	93	355 g	425 g
	Box (50 pcs.)	580	370	270	8,53 kg	11,13 kg

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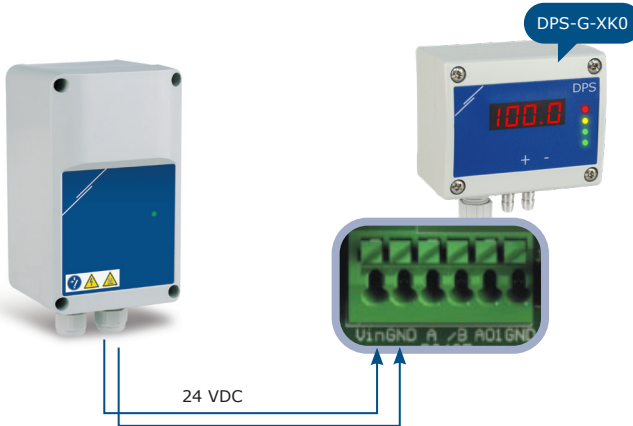


Fixing and dimensions

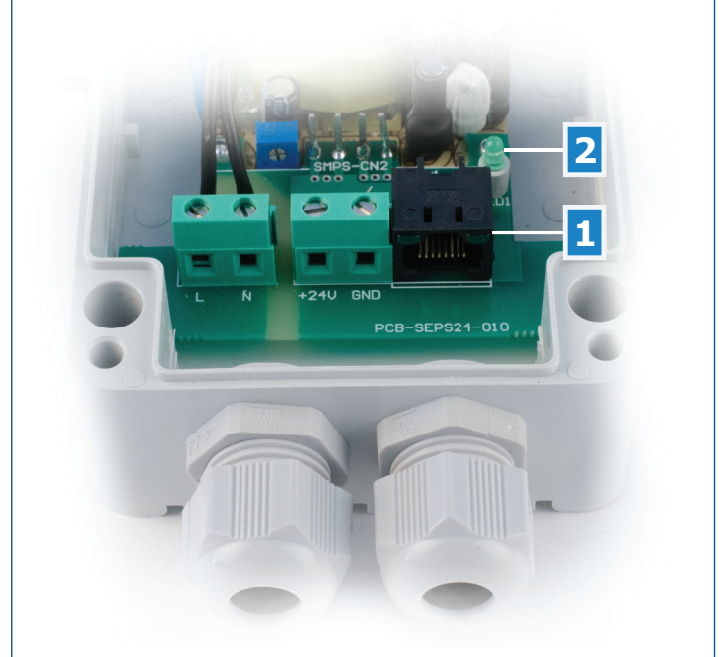
Example 1: Power over Modbus



Example 2: Terminal block supply connection





Settings and indications



Global trade item numbers (GTIN)

Packaging	SEPS8
Unit	05401003014424
Box	05401003502891

Settings and indications

1- RJ45 connector		Plug the communication and power cable into the socket. Blinking green LEDs indicate active Modbus RTU communication
2 - Power ON LED indication		Power OK