

NIPOWER

SWITCHING-MODE POWER SUPPLY MODULE



3 YEARS WARRANTY

NIVELCO

SYSTEM COMPONENTS

DESCRIPTION

The rail mountable new **NIPOWER PPK-421** and **PPK-431** switching-mode power supply modules provide 12 or 24 V stabilized DC output for low power consumption devices. The output current is limited by an electronic fuse. Both devices are short-circuit protected.

FEATURES

- Stabilized DC output
- Switching-mode power supply
- DIN rail mountable
- Short-circuit protection
- Overload protection
- Overvoltage protection
- IP20

APPLICATIONS

- For any transmitters
- For sensors
- For inductive, capacitive proximity switches
- For infrared sensors
- Ultrasonic Proximity sensors

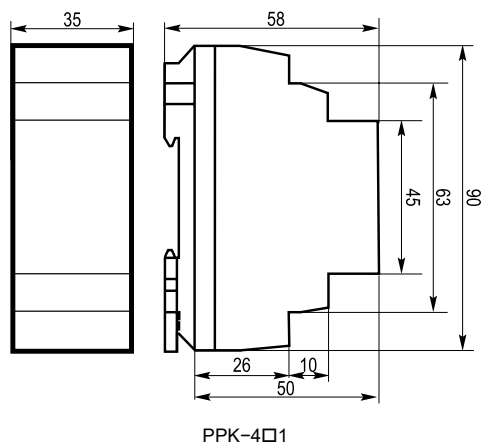


TECHNICAL DATA

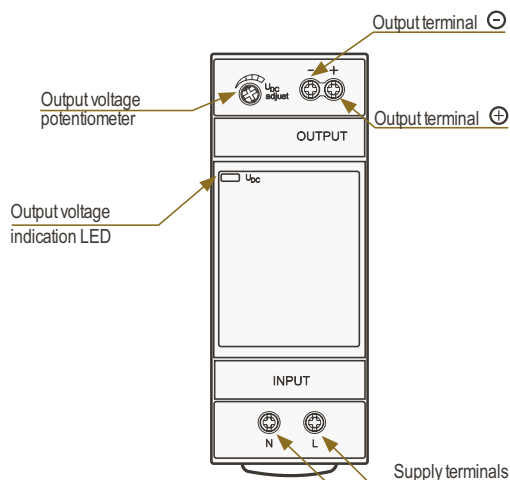
	PPK-421	PPK-431
Power supply voltage (U_N)	100...240 V AC / 50...60 Hz	
Output voltage (U_{out})	12 V DC (11...13 V DC adjustable)	24 V DC (23...25 V DC adjustable)
Output current ⁽¹⁾	2000 mA	1250 mA
Consumption	without load	max. 8 VA / 0,3 W
	with maximum load	max. 50 VA / 30 W
Overload capability	max. 120%	
Efficiency	88%	89%
Fuse	T2A / 250 V	
Protection against	Short-circuit, overload, overvoltage	
Output voltage indicator	Blue LED	
Ripple on the output without load	30 mV	
Ripple on the output with maximum load	80 mV	
Delay on switching ON	max. 5 sec	
Delay on switching ON after overload	max. 1 sec	
Operating temperature	-20...+50 °C (-4...+122 °F)	
Electrical strength between input and output	3 kV AC	
Electrical connection	Terminal, wire cross-section: max. 2.5 mm ² (AWG14)	
Electrical protection	Class II	
Mechanical connection	EN 60715 rail	
Ingress protection	IP20	
Weight	120 g (0.26 lb)	190 g (0.42 lb)

⁽¹⁾ Correct air-flow is needed to prevent overheating

DIMENSIONS



WIRING



ORDER CODES

NIPOWER PPK-4 ■ **1-1**

Output	Code
12 V DC	2
24 V DC	3