

Features

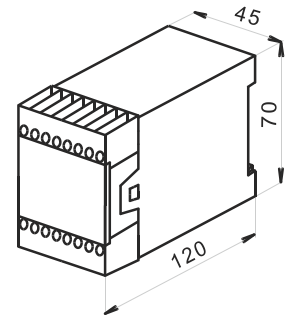
- universal stabilized power supply for reliable energizing of process transducers (level, pressure, temperature, etc.), optical, inductive, capacitive sensors and various indicators, controllers etc.

PSU-2400 - single channel 24V / 150mA

DSU-2420 - dual channel 2x24V / 50mA

- protection against current overload, overvoltage and short circuit
- safety requirements according to EN 61010-1
- LED indication
- mounting on DIN rail 35 mm in distribution cabinet

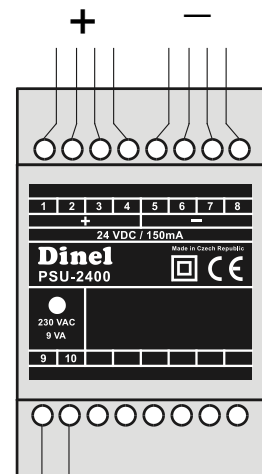
Dimension drawing



Technical data

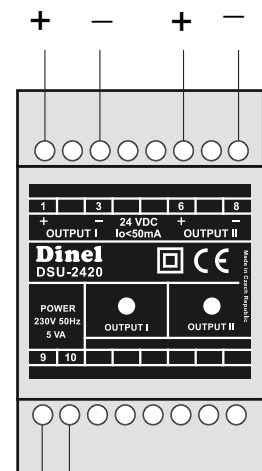
Type	PSU-2400	DSU-2420
Nominal supply voltage	230V / 50Hz (±10 %)	
Nominal power demand	9 VA	7 VA
Output voltage	24V DC (±5%)	2 x 24V DC (±5%)
Max. output current	150 mA	2 x 50mA
Output short circuit current	max. 170 mA	80 mA - one channel
Ripple output voltage	5 mV - on I _o =150 mA	5 mV - on I _o = 50 mA
Max. duration of output short circuit	unlimited	
Electric strength mains 230 V - output 24 V	4 kV	
Ambient temperature	-20 to +50 °C	
Protection degree: - enclosure - terminals	IP 40 IP 20	
Weight	c. 0,5 kg	c. 0,4 kg
Enclosure material	polycarbonate	
Terminal material	CuBe	
Max. / recommended connecting wires cross-section	4 mm ² / 0,5 ÷ 1 mm ²	
EMC	EN 55022	EN 61000-4-2, -3, -4, -5, -6, -8,-11

Connection of PSU-2400



mains 230V

Connection of DSU-2420



mains 230V

Function of signal LEDs

PSU-2400

- Green LED - "POWER" - shines - correct function
 - not shines - interruption of mains, failure
 - weak shine - short circuit or overload*

DSU-2420

- Green LEDs - "OUTPUT I" and "OUTPUT II"
 - shines both - correct function
 - any - not shines - failure of relevant channel
 - any - weak shine - short circuit or overload

* Note.: For restarting it is necessary to remove short circuit and interrupt the mains for a short time