

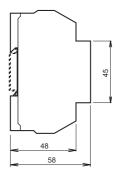
Supply and switching units SSU-1211 & DSU-1222

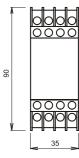


Features

- universal DC stabilized power supply and switching units
- for reliable sensors energizing and state transform to relay contacts
- possible to connect sensors with various outputs (NPN, PNP, "S", NAMUR - only for safe areas, potential free contact)
- resistant to short circuits, current overloading and overvoltages
- safety requirements according to EN 61010-1
- LED state indication
- mounting on DIN rail 35 mm in distribution cabinet

Dimensional drawing

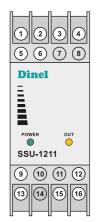




Technical data

Туре	SSU-1211	DSU-1222
Nominal supply voltage	230 V / 50 Hz	
Allowed supply voltage tolerance	± 10%	
Power demand	4 VA	
Output voltage	12 V DC	
Output voltage tolerance	± 10%	
Ripple of output voltage	80 mV at 60 mA	80 mV at 50 mA
Maximum total load current	60 mA	50 mA
Short-circuit output current	type 300 mA	
Maximum short-circuit duration at output	unlimited	
Electric strength - mains 230V - output 12 V	4 kV	
Ambient working temperature	-20 to + 50 °C	
Cover protection degree - box - terminals	IP 40 IP 20	IP 20 IP 20
Housing material	polycarbonate	
Terminal material	CuBe	
Max. / recommended conductor cross-section	4 mm ² / 0,5 ÷1 mm ²	
Weight	c. 0,2 kg	
Connection to 230 V mains only trough a switch or circuit breaker		
Internal protection on 230 V side by fuse T 50 mA		
Electrical safety requirements due to EN 61010-1		
EMC EN 55022, EN 61000-4-2,-3,-4,-5,6,-11		

Front panels and terminal numbering





Signalling LEDs

Green "POWER"

- on - connection of 230 VAC supply, correct function

- off - failure (short-circuit at supply terminals)

Orange "OUT" / "OUT I & OUT II"

- on - output relay is switched on

SSU-1211 - contact 12, 16 is closed

DSU-1222 - contact 11, 12 or 15,16 is closed

- off - output relay is switched off (released)

SSU-1211 - contact 15, 16 is closed

DSU-1222 - contact 11, 12 or 15,16 is open

Block and wiring diagram - SSU-1211

Connection to sensors with NPN, PNP output

+ U of sensor terminal No. 6 output (Q) of sensor terminal No. 3 0 V of sensor terminal No. 2

Connection to sensors with output "S", Namur, contact

+ U of sensor terminal No. 3 0 V of sensor terminal No. 2

Sensor type selection

NPN, "S", Namur, contact connect

act connection between terminals No. 4 and 5 connection between terminals No. 4 and 1

Block and wiring diagram - DSU-1222

Connection to sensors with NPN, PNP output

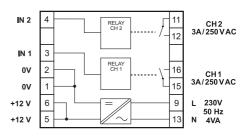
+ U of sensor terminal No. 6 output (Q) of sensor terminal No. 3 0 V of sensor terminal No. 2

Connection to sensors with output "S", Namur, contact

+ U of sensor terminal No. 3 0 V of sensor terminal No. 2

DSU-1222

SSU-1211



Sensor type selection

Switch "P/N" - position P - DSU reacts on current flowing to the input terminals (No. 3, 4)

- for sensors with PNP output

- position N - DSU reacts on current flowing from the input terminals (No. 3, 4)

- for sensors with output type NPN, "S", NAMUR, or simple contact

switch "O/C" - position O - output contact reacts positively

- output contact is closed when the current flows to the input

- position C - output contact reacts negatively

- output contact is open when the current flows to the input

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