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# DIGITAL SIGNALS PROCESSORS

## S112A - POWER SUPPLY / AMPLIFIER FOR ON/OFF SENSORS
### with galvanic separation

Amplifier with power supply and divider circuit for proximity sensors.




Provided with 1 optoisolated input for reed contact, 2 and 3 wires npn sensor with 12 and 24 Vdc power supply, 2 and 3 wires pnp sensor with 24 Vdc power supply, NAMUR sensor, 24 Vdc pulse, photoelectric sensor and Hall effect sensor.

The output is of the relay type with 1 SPDT changeover (capacity 5 A 250 Vac resistive load).

The incorporated divider circuit has a division factor that can be programmed from 1 to 256 by means of dip switch.

Two LEDs signal instrument powered and relay energized.

The self-extinguishing Noryl case is the width of 3 DIN modules and is designed to fit on a 35 mm mounting rail (DIN 46277).

**TECHNICAL DATA**

- Power supply : 115 / 230 Vac +/- 10% 50 / 60 Hz
- Power consumption : 1,5 VA
- Inputs : contact, reed, 2/3 wires NPN with 12/24 Vdc supply, 2/3 wires PNP with 24 Vdc supply, NAMUR sensor, 24 Vdc pulse, photoelectric sensor and Hall effect sensor
- Output : 1 relay with 1 SPDT changeover with capacity 5 A 250 Vac (resistive load)
- Input frequency : max. 400 Hz, minimum pulse duration 2 msec
- Resolution : 0,4%
- Stability : +/- 0,005% / °C
- Operating temp. : -10 / + 60 °C
- Humidity : 90 % a 40 °C (non-condensing)
- Dimensions (b x h x d) : 52,5 x 95 x 72 mm
- Weight : approx. 250 g.

**ORDERING CODES**

| Code | Power supply |
|---|---|
| **S112A-1-ST** | 115 - 230 Vac |
| **Z112A** | 24 Vdc-ac |

*For more info please refer to the operating manual*

Characteristics can be subject to change without notice

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