



AN002 Switching amplifier two-point control

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120,55 € offline price
127,57 €

Incl. 5.5% online discount for online orders

Overview

- 2-channel switching amplifier (relay, 1 changeover contact; transistor output (PNP-switched; externally supplied))
- Protection rating IP20
- for power supply and signal evaluation of sensors
- Input delay 0...10 s

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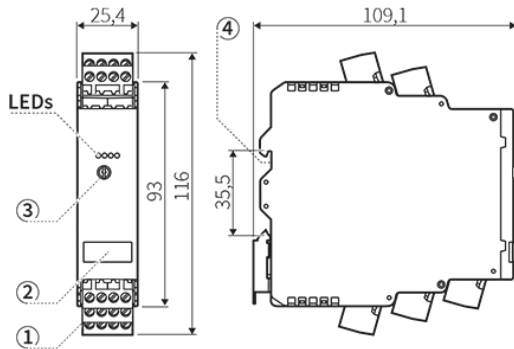
We offer 5 years warranty - with money-back guarantee!

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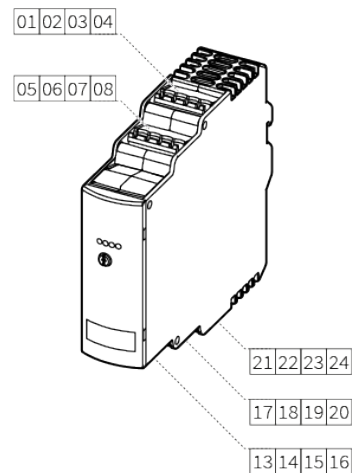
Dimensional drawing



Dimensional drawing legend

- 1: plug-in screw terminals
- 2: label
- 3: potentiometer
- 4: Mounting on DIN rail

Connection & pin assignment



Wiring & pin configuration legend

- 01: DC Supply voltage (+)
 - 02: DC Supply voltage (+)
 - 03: DC Supply voltage (-)
 - 04: DC Supply voltage (-)
 - 05: DC Sensor supply (+)
 - 06: sensor signal 1 pnp
 - 07: DC Sensor supply (-)
 - 08: sensor signal 2 pnp
 - 13: supply transistor output (+)
 - 14: transistor output pnp
 - 15: common External supply (-)
 - 16: n.c.
 - 17: Relay (normally open)
 - 18: Relay (common)
 - 19: Relay (normally closed)
 - 20: n.c.
 - 21: AC Supply voltage (L)
 - 22: AC Supply voltage (L)
 - 23: AC Supply voltage (N)
 - 24: AC Supply voltage (N)
- n.c. = not connected



General information

Range of application	Power supply and signal evaluation; two-point control of levels; 2 channels
Delay time adjustable	1 ... 10 s
Parametrisation options	Potentiometer Input delay

Outputs / inputs

Pulse input	2 x sensor signals; PNP; 10 ... 30 DC SELV
Input frequency	≤ 5 Hz
Relay output	Yes
Transistor output	Yes
Galvanically separated	Yes
Contamination level	2 (≤ 240 V AC)
Switching output	Relay (1 changeover contact); transistor output (pnp-switched; externally supplied)

Electrical data

Voltage tolerance	AC ± 20 % / DC ± 10 %
Power consumption	AC 6 W / DC 4 W
Auxiliary energy for sensor system	18.5...30 DC SELV, ≤ 100 mA
Contact current capacity	4 A (240 V AC, 24 V DC); resistive load
Dielectric strength	Reinforced (in accordance with EN 61010)
Operating voltage	110 ... 240 AC / 27 (24) DC
Electrical design	PNP

Mechanical data

Terminal strip housing	Yes
Max. permitted relative humidity	80 % (31 °C), decreasing linearly to 50 % (40 °C), non-condensing
Material of housing	Plastic: PC GF20

Ambient conditions

Ambient temperature min.	-20°C
Ambient temperature max.	60°C
Protection rating	IP20



Additional information

MTTF	254years
Function display	Green
	2 x LED
Accessories included with delivery	Connector plug: 4-pin with screw connection; (pack of 5)
Approval	CE
	cULus



Accessories: Top-hat rail adapter



AA940

DIN-rail 35 x 50 mm

Unit price: 3,55 €*

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www.autosen.com
+49 (0) 201/749 189 21
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autosen gmbh • Annastraße 41 • 45130 Essen
www.autosen.com • info@autosen.com
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