

Model number

RE 1

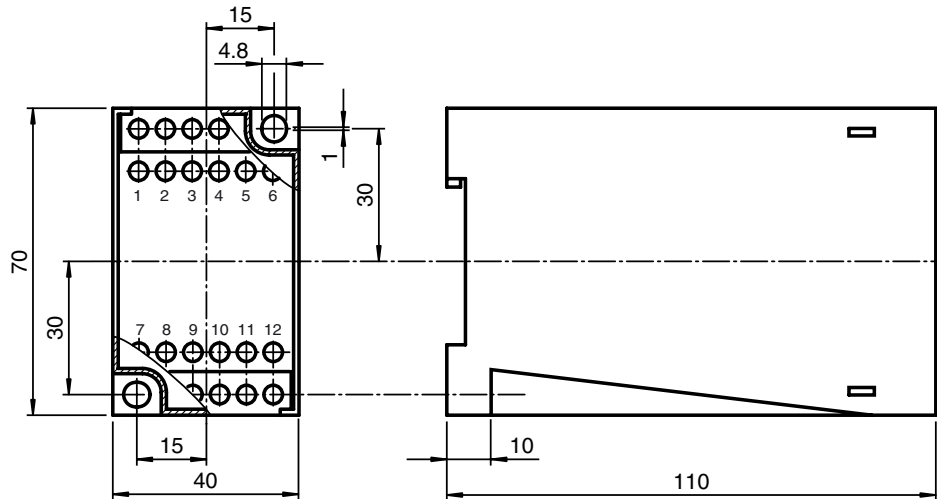
Features

- 1-channel isolating amplifier
- Control circuit designed for 3-wire sensors in PNP and NPN
- 220 V AC rated operational voltage
- Switching frequency 10 kHz
- 1 relay output with 1 changeover contact
- Modular housing
- Mode of operation adjustable; for PNP-sensors the terminals 5 and 6, for NPN-sensors the terminals 6 and 7 are to short out
- Protection degree IP20

Technical data

Electrical specifications	
Rated operational voltage U_e	198 ... 253 V AC ; 45 ... 65 Hz
Power consumption P_0	max. 3 VA
Input	
Current	low: ≤ 0.5 mA high: ≤ 33 mA
Voltage	low: 0 ... 1 V high: 18 ... 24 V
Output	
Connection	terminals 7, 8, 9
Relay	1 changeover contact
Sensor supply	22.5 V at 30 mA 20.0 V at 50 mA 18.0 V at 70 mA
Contact loading	250 V AC/4 A/500 VA / $\cos \varphi = 0.7$ 220 V DC 0.1 A; 60 V / 0.6 A ; 24 V / 4 A
Energised/De-energised delay	approx. 20 ms / approx. 10 ms
Mechanical life	$\geq 1 \times 10^7$ switching cycles
Transfer characteristics	
Switching frequency	10 Hz
Ambient conditions	
Ambient temperature	-25 ... 60 °C (248 ... 333 K)
Storage temperature	-25 ... 85 °C (248 ... 358 K)
Mechanical specifications	
Connection	self-opening apparatus connection terminals, max. conductor cross section $1 \times 2.5 \text{ mm}^2$
Mass	approx. 260 g
Dimensions	40 mm x 70 mm x 110 mm
Construction type	modular housing in NORYL SE 0 (Self-extinguishing), flammability classification to UL 94: V - 0
Mounting	snap-on to 35 mm standard rail or screw fixing

Dimensions



Electrical connection

