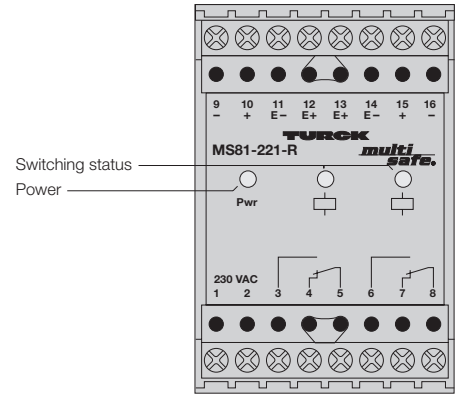
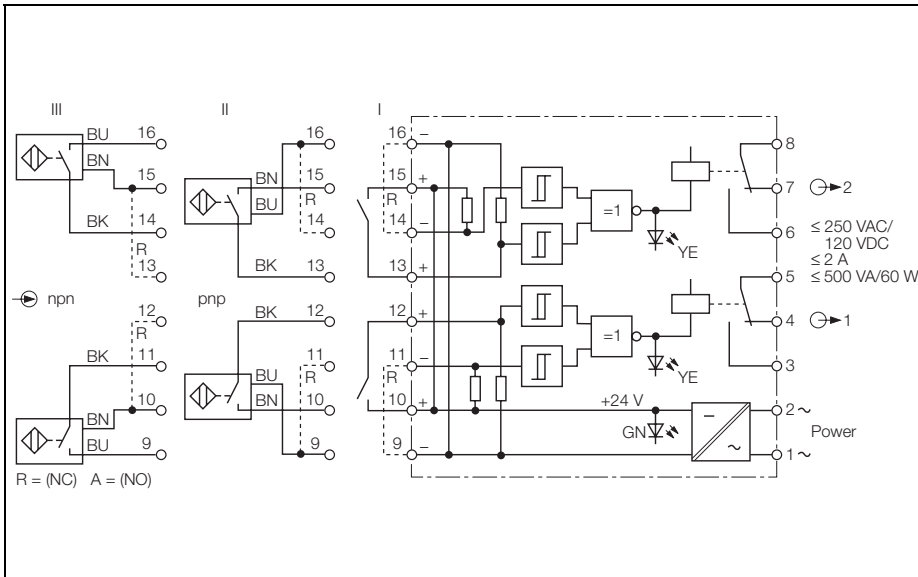


amplifier relays
2-channel
MS81-221-R/230VAC



The 2-channel amplifier relay MS81-221-R/230VAC features relay outputs.

Two pnp 3-wire sensors (II) or two npn 3-wire sensors (III) can be connected to the input. Control via mechanical contacts (I) is also possible (operation as protective relay).

The admissible output current is 50 mA per channel and therefore suitable for use with:

- inductive sensors
- magnetic-inductive sensors
- capacitive sensors
- fiber optic sensors

- ultrasonic sensors

The device features two relay outputs with hard gold contacts (one changeover contact for each channel).

The signal flow direction can be changed from NO mode (without bridge) to NC mode (with bridge).

A green LED indicates operational readiness, the yellow LEDs indicate the switching status of the outputs.

- power supply and processor device
- sensor supply: 24 VDC, 100 mA
- two relay outputs with changeover contact
- removable terminal blocks
- Galvanic isolation of input circuits, output circuits and supply voltage

amplifier relays

2-channel

MS81-221-R/230VAC

Type	MS81-221-R/230VAC
Ident-No.	05121
Nominal voltage	230VAC
Operational voltage range:	196 ... 253 VAC
Frequency	≥ 48 ... ≤ 62 Hz
Power consumption	≤ 6 VA
3-wire input	
No-load voltage	24 VDC
Current	≤ 100 mA
0-signal	0...3VDC
1-signal	5...30 VDC
Output circuits (digital)	2 x relay (change-over)
Relay switching voltage	≤ 250 VAC/120 VDC
Switching current per output	≤ 2 A
Switching capacity per output	≤ 500 VA/60 W
Switching frequency	≤ 10 Hz
Contact quality	AgNi, 3μ Au
Rise time (10-90%)	15 ms
Dropout time (90...10%)	15 ms
Test voltage	2.5 kV
Constant voltage supply	250 V
Indication	placeholder
Operational readiness	green
Switching status	yellow
Degree of protection	IP20
Ambient temperature	-25 ...+ 60 °C
Housing length	75 mm
Housing width	50 mm
Housing height	110 mm
Weight	402 g
Mounting instruction	Mounting on DIN rail or mounting panel
Housing material	polycarbonate/ABS
Electrical connection	2 x 8-pole removable terminal blocks, reverse polarity protected, screw connection
Terminal cross-section	1 x 2.5 mm ² / 2 x 1.5 mm ²

Dimensions

