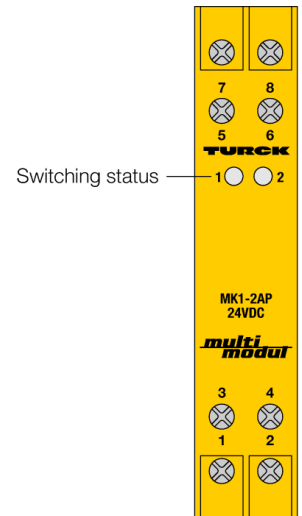
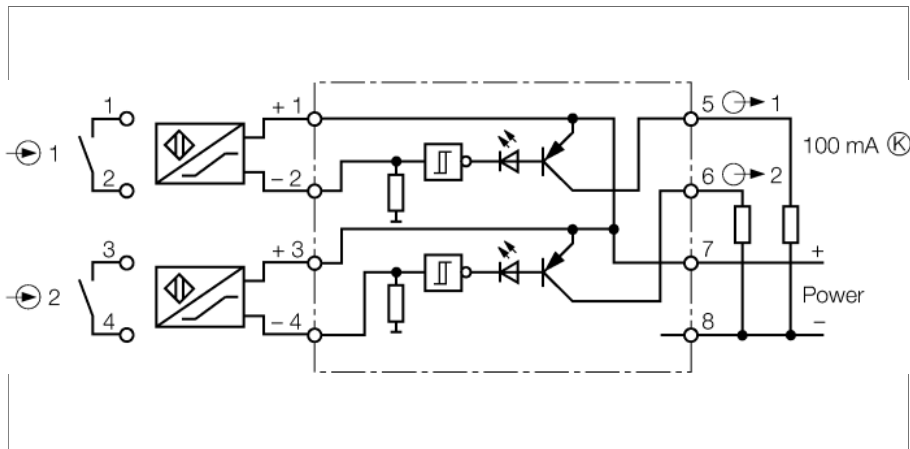


Isolating switching amplifier 2-channel MK1-2AP/24VDC



The isolating switching amplifier MK1-2AP/24VDC is equipped with two intrinsically safe input circuits.

Sensors according to EN 60947-5-6 (NAMUR) or potential-free contact makers can be connected to the device.

The coupler features PNP switching, short-circuit proof transistor outputs.

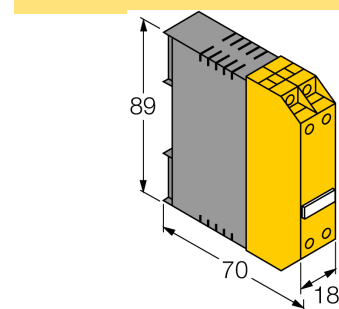
The switching state of the coupler is explained in the block diagram below.

The yellow LED indicates the switching status.

- **Output mode NO**
- **Short-circuit protected PNP transistor outputs**
- **Complete galvanic isolation**
- **Input reverse-polarity protected**

Isolating switching amplifier 2-channel MK1-2AP/24VDC

Dimensions



Type designation	MK1-2AP/24VDC
Ident-No.	7505500
Nominal voltage	24 VDC
Operating voltage range	19...29 VDC
Power consumption	≤ 0.5 W
NAMUR	EN-60947-5-6
No-load voltage	8 VDC
Short-circuit current	5 mA
Input resistance	1 kΩ
Cable resistance	≤ 50 Ω
Switch-on threshold	1.55 mA
Switch-off threshold	1.75 mA
Voltage drop	≤ 2.5 V
Semiconductor output circuit(s)	
Output circuits (digital)	2 x transistors (pnp, short-circuit proof)
Switching voltage	≤ 29 VDC
Switching current per output	≤ 0.1 A
Switching frequency	≤ 1000 Hz
Indication	
Switching state	Yellow
Mechanical Data	
Protection class	IP20
Ambient temperature	-25...+60 °C
Storage temperature	-40...+80 °C
Relative humidity	≤ 95 %
Dimensions	89 x 18 x 70 mm
Weight	70 g
Mounting instructions	DIN rail (NS35) or panel
Housing material	Polycarbonate/ABS
Electrical connection	4 x 2-pin flat terminals with self-lifting pressure plates
Terminal cross-section	1 x 2.5 mm ² / 2 x 1.5 mm ²