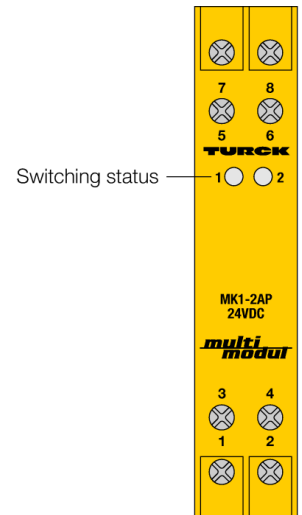
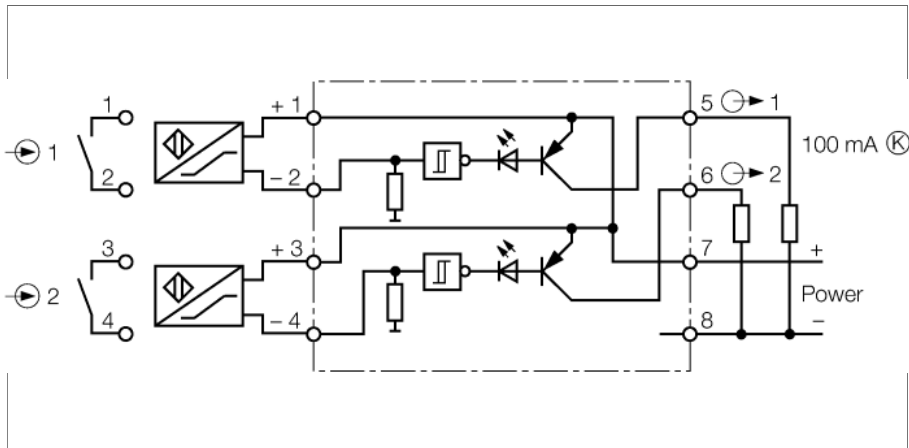


Isolating switching amplifier 2-channel MK1-2AP/24VDC



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

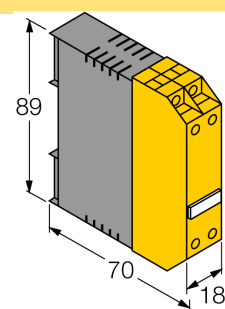
Sensors according to EN 60947-5-6 (NAMUR) or potential-free contact makers can be connected to the device.

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

Dimensions


Type	MK1-2AP/24VDC
ID	7505500
Nominal voltage	24 VDC
Operating voltage U_s	19...29 VDC
Power consumption	$\leq 0.5 \text{ W}$
NAMUR input	
NAMUR	EN 60947-5-6
No-load voltage	8 VDC
Short-circuit current	5 mA
Input resistance	1 k Ω
Cable resistance	$\leq 50 \Omega$
Switch-on threshold	1.55 mA
Switch-off threshold	1.75 mA
Output circuits	
Voltage drop	$\leq 2.5 \text{ V}$
Semiconductor output circuits	
Output circuits (digital)	2 x transistors (pnp, short-circuit proof)
Switching voltage	$\leq 29 \text{ VDC}$
Switching current per output	$\leq 0.1 \text{ A}$
Switching frequency	$\leq 1000 \text{ Hz}$
Galvanic isolation	
Displays/Operating elements	
Switching state	Yellow
Mechanical data	
Protection class	IP20
Ambient temperature	-25...+60 °C
Storage temperature	-40...+80 °C
Dimensions	89 x 18 x 70 mm
Weight	70 g
Mounting instructions	DIN rail (NS35) or panel
Housing material	Plastic, 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