

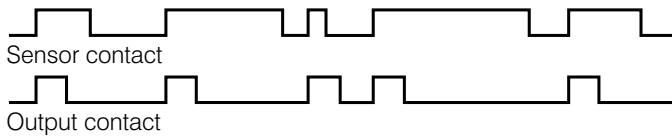
# Contact Protection Relay

AD-KI 10 GX

## Description

The contact protection pulse relay (switching amplifier, pulse shaper) serves preferably the protection of weak transducer contacts or the amplification of binary transducer signals. At the same time it transforms the prepared input signals into output pulses with constant, adjustable length. Typical input signals are reed contact signal transducers according to DIN-EN 60947-5-6 (NAMUR), voltage signals or resistance change. A heavy-duty and potential free contact is available at the output.

In combination with a narrow 6.2 overall width, a high packing density is achieved.



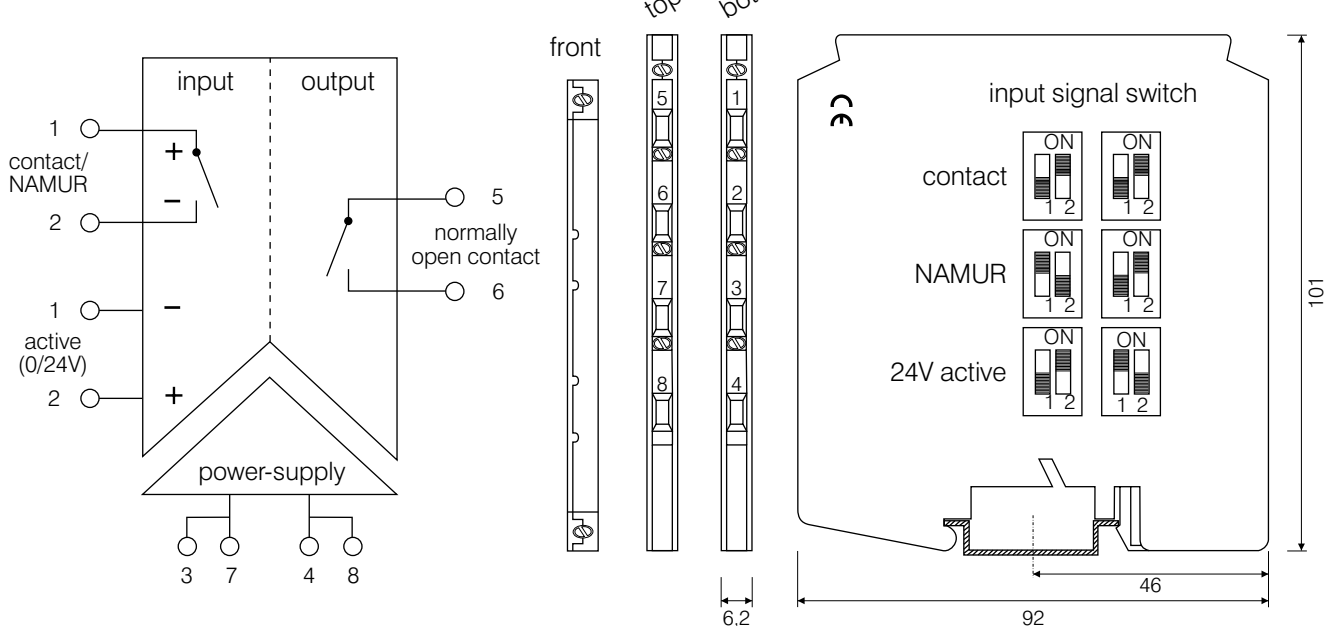
## Application

Pulse reception from water meters or flow monitors for measuring the flow rate. Amplification and contact protection of weak transducer signals (reed contacts, limit switches etc.), switching signal transfers in control circuits. Switching amplifiers for inductive and capacitive proximity switches according to Namur (DIN 19234).

## Specification

construction	1-channel switchboard housing 6,2 x 92 x 101 mm (WxHxD)
power-supply	18-30 VDC internal galvanically isolated
power-consumption	max. 700 mW (dependent upon signal)
input	contact, NAMUR (DIN-EN 60947-5-6) or 24V signal
input pulse duration	min. 1 ms, max permanent contact
output	dry contact (normally open contact) LED switching status indicator
output contact duration	adjustable from 0,2 - 10 sec. (factory setting 0,5 sec.)
switching capacity	relay: 250V / 2A / 100VA
protective circuit	input and power supply against over-voltage, overload and over temperature
protective systems	IP 20
weight	ca. 0,1 kg
connection data	fine-wire: 2,5 mm <sup>2</sup> , single-wire: 4 mm <sup>2</sup>
manner of fastening	DIN rail 35 mm (EN50022)
EMC	
Product family standard	EN 61326
Emitted interference	EN 55011, CISPR11 Cl. A industry
Electrical safety requirements	
Product family standard	EN 61010-1
ambient-temperature	0-50°C

## Connections and dimensions: AD-KI 10 GX



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