

Magnetic sensors for rotative applications

MDFK 08

features

- competitively priced angular measurement solution using ring magnet or magnetic rotor
- 2 and 3 channel version
- channel A/B 90° shifted and zero pulse
- 8-/10-fold interpolation

description

Magnet encoders provide angular information by non-contact tracking of a multi-pole ring magnet based on a magneto resistive sensor. Depending on the angle between the sensor and the magnetic field, the device generates analog signals containing the angular information. These signals are further fed into an electronics circuit for additional conditioning and processing. The rugged and easy to mount sensor generates 1024 pulses (1280 pulses for the 8101 version) when used in conjunction with a ring magnet of 16 pole pairs. Angular resolution of the device can be partly determined by selecting appropriate ring magnets. The IP 67 protected sensor contains absolutely no moving parts and is not subject to any wear when in operation. Air gap between magnet and sensor can be up to 0,8 mm without sacrificing system accuracy.

pin assignment 2 channel push-pull

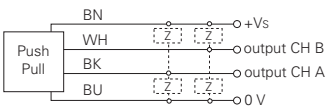
color	abbreviation	signals
brown	BN	+Vs
blue	BU	GND
black	BK	CH A
white	WH	CH B



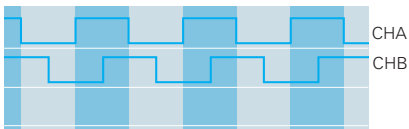
output type part numbers

2 channel push-pull	MDFK 08G2101
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2 channel push-pull



output signals 2 channel push-pull



accessories 2 channel version

ring magnet 36 poles	ring magnet 32 pôles
material ferrite	material Tromadur
part nr. 130144	part nr. 131625