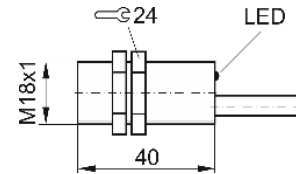


Characteristics

Actuation with magnets
Static execution, 0 ... 10 kHz
DC three-pole, plus-switching, short-circuit-proof
Open-source output, NC contact
High switching frequency (up to 10 kHz)
Speed measurement and detection of approaching and bypassing magnets

Dimensions

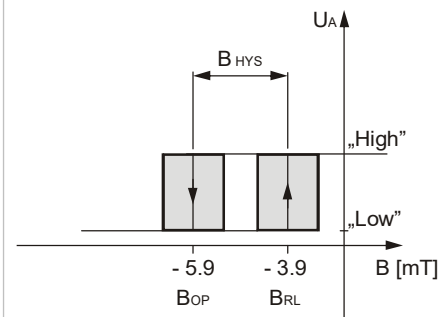


Technical Data

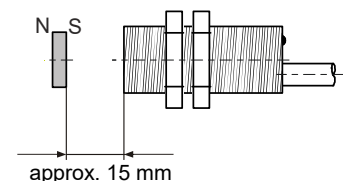
(for $U_B = 24 \text{ V}$, $T_U \approx 23 \text{ °C}$)

Operating voltage U_B	10 ... 24 ... 30 VDC
Function of the sensor	NC contact
Switching behaviour	unipolar
Permissible load current	$\leq 200 \text{ mA}$
Max. residual current (switch open)	$20 \text{ }\mu\text{A}$
Voltage drop ($I_L = 25 \text{ mA}$)	$\leq 1 \text{ V}$
Idle current (non-actuated)	$\leq 25 \text{ mA}$
Short-circuit-proof	installed
Protection against polarity reversal	installed
Switching frequency f	0 Hz ... 10 kHz
Output „High“	switch closed, if magnetic field is removed
Output „Low“	switch open, if magnetic south pole face is adjacent to sensing face of the sensor
Magnetic hysteresis B_{HYS}	2 mT at 25 °C
Ambient temperature range T_U	$-25 \text{ ... } +80 \text{ °C}$
Type of connection	lead connection, LiFFY - 11Y, $3 \times 0.34 \text{ mm}^2$
Max. lead length	$\leq 150 \text{ m}$
Weight	45 g
Housing form	M18
Material of the housing / of the sensing face	brass / plastic material (PBT)
Max. torque	34 Nm
Protection rating according to EN 60529	IP 67

Switching behaviour



Application proposal with magnet 13.99-53 (see accessories)



Attention: Actuation takes place with the south pole face.

Accessories:

ZBM-15wr4-1

ref. no. 13.99-53

Notes

Keep away metal splinters from the sensing face. Avoid use near strong magnetic fields, which may influence the magnetic fields of the actuating element.

Certification

Complies with the standard EN 60947-5-2



Safety Regulations

Connection, commissioning and maintenance may only be accomplished by qualified or instructed staff.

We are certified according to DIN EN ISO 9001

Subject to technical changes!

Wiring

DC voltage, three-pole,
1 NC contact, PUR lead connection

