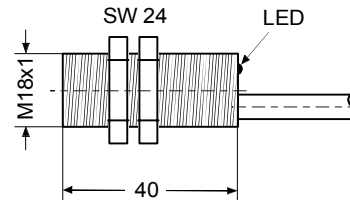


Characteristics

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

Dimensions

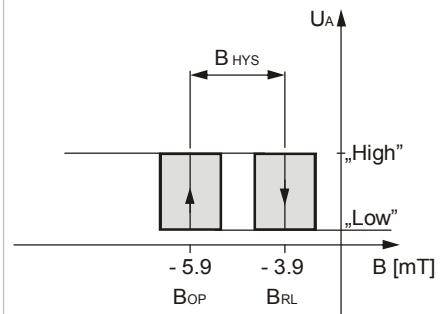


Technical Data

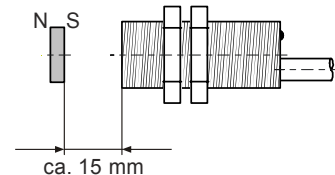
with $U_B = 24\text{ V}$, $T_U \approx 23\text{ }^\circ\text{C}$

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 opened)	$20\text{ }\mu\text{A}$
Voltage drop ($I_L = 25\text{ mA}$)	$\leq 1\text{ V}$
Idle current (non-actuated)	25 mA
Short-circuit-proof	installed
Protection against polarity reversal	installed
Switching frequency f	0 Hz ... 10 kHz
Output „Low“	switch closed, if magnetic field is removed
Output „High“	switch open, if magnetic south pole face is adjacent to sensing face of the sensor
Magnetic hysteresis B_{HYS}	2 mT at $25\text{ }^\circ\text{C}$
Ambient temperature range T_U	- 25 ... + 80 $^\circ\text{C}$
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
Degree of protection according to EN 60529	IP 67

Switching behaviour



Application behaviour 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

Remarks

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, start-up and maintenance may only be accomplished by specialists or by instructed personnel.

We are certified according to DIN EN ISO 9001

Subject to technical changes!

Wiring

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

