



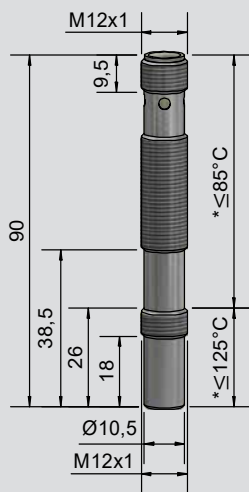
Magneto-resistive sensors with detection of direction of rotation

Series 350 - 10 - PNP

Article number: MR0028

Description: MRS-10-350-S-M12-VAb-Y5-0-E

- Magneto-resistive sensors detect ferromagnetic targets, such as gear wheels, wipers, slitting discs, gear rods, etc.
- Contact-less detection of rotary motion, therefore wear-free and maintenance-free operation.
- Measuring range from 0.5 Hz up to 25 kHz. Ideal for the safe detection of creeping movements as well as fast rotary motions.
- Measuring gear wheel module size: 0.7...4.00
- Width of target gear wheel ≥ 10 mm

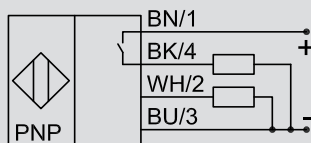


Technical data

Mounting	Flush mountable
Output function	PNP, normally open
Operating sensing distance (S_a)	< 2 mm (module 4), < 1 mm (module 1)
Operating voltage (U_B)	10...35 V DC
Tightening torque	15 Nm
Voltage drop max. (U_d)	≤ 2.5 V
Permitted residual ripple max.	10 %
Operating current (I_e)	0...250 mA
No-load current (I_o)	Typ. 15 mA
Frequency of operating cycles max.	0.5 Hz / 25 kHz
Permitted ambient temperature	-40...+85 °C / 125 °C*
LED-display	Yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67
Norm	EN 60947-5-2
Connection	Flange connector M 12 x 1 (A-coded)
Housing material	Stainless steel VA No. 1.4305 (AISI 303)
Active surface	Stainless steel VA No. 1.4305 (AISI 303)
Housing size / Process connection	M 12 x 1
MTTF (average operating time until failure)	2,406.41 years
Accessories (included in delivery)	2 nuts M 12 x 1

Matching connectors (not included in delivery) Female connector M 12 x 1, DC, 4 x 0.34 mm², 5 m, angled, # 193391
Female connector M 12 x 1, DC, 4 x 0.34 mm², 5 m, straight, # 193392

Made in Germany



Pin 4 = Speed control
Pin 2 = Detection of direction of rotation