



Magneto-resistive Sensors Series 300 • 10 - PNP

Housing M 12 x 1

- Housing material: Stainless steel VA
- Magneto-resistive sensors detect ferromagnetic targets, such as gear wheels, wipers, slitting discs, gear rods, etc.
- Contactless detection of rotary motion, therefore wear-free and maintenance-free operation.
- Measuring range from 0 Hz up to 25 kHz. Ideal for the safe detection of creeping movements as well as fast rotary motions.
- Measuring gear wheel modul size 0.7...4.00
- Width of target gear wheel ≥ 10 mm

Certificate:



Technical data

Flush mountable

Operating sensing distance S_a < 2 mm (Modul 4), < 1 mm (Modul 1)

Electrical version 3-wire DC

Output Normally open

Type NPN

Art.-No.

Connection diagram No.

Type PNP

MRS-300-M12-10-S

Art.-No.

360 100

Connection diagram No.

4

Operating voltage (U_b)

10...35 V DC

Output current max. (I_o)

250 mA

Voltage drop max. (U_d)

≤ 2.5 V

Permitted residual ripple max.

10 %

No-load current (I_o)

Typ. 15 mA

Frequency of operating cycles min. / 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, IP 69K

Norm

EN 60947-5-2

Connection cable

2 m, silicone, 3 x 0.34 mm²

Housing material

VA No. 1.4305

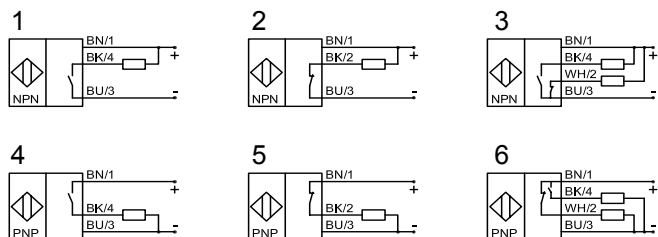
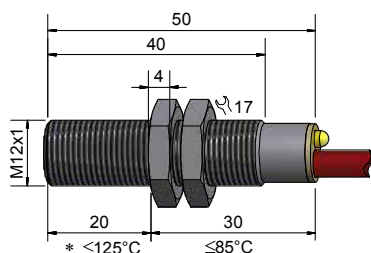
Active surface

VA No. 1.4305

Lid

PEEK (FDA 21 CFR 177.2415)

All specifications are subject to change without notice. (03/2014)



Made in Germany