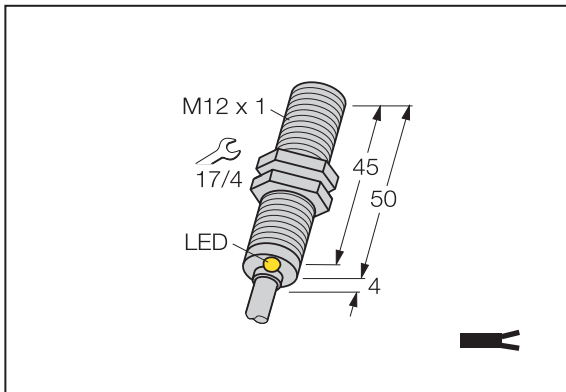


电感式接近开关 Inductive sensor
EL02X-12YP-AD6-C2

SENTINEL
INDUSTRIAL AUTOMATION



Type EL02X-12YP-AD6-C2
Ident No. 10404081

- Threaded barrel, M12x1
- Chrome-plated brass
- 2-wire, 10...30VDC
- cable

技术参数
Technical parameter

电气参数 electrical parameter

Rated switching distance S_n	2 mm
Assured switching distance S_r	$\leq (0.81 \times S_n)$ mm
Mounting conditions	flush
Operating voltage	10...30 VDC
Pulsating voltage	$\leq 20\%$
DC rated operational current	≤ 100 mA
No-load current	≤ 10 mA
Residual current	≤ 2 mA
Voltage drop at I_e	≤ 2 V
Repeatability	$\leq 5\%$ S_r
Hysteresis	3...15% S_r
Temperature drift	$\leq \pm 10\%$
Switching frequency	100 Hz
Output function	DC, NO
Short-circuit protection	yes
Reverse polarity protection	yes
Switching state	LED, yellow
Vibration resistance	55 Hz (1 mm)
Shock resistance	30 g (11 ms)
IP rating	IP67
Certification	CE

机械参数 mechanical parameter

Dimension	M12x1
Housing material	metal, CuZn-Cr
Material active area	PBT
End cap	PA
Max. tightening torque housing nut	25 Nm
Connection	cable
Cable quality	PVC, 2 m
Cable cross section	$2 \times 0.34 \text{ mm}^2$
Ambient temperature	-25...70°C

接线图
Wiring diagram

