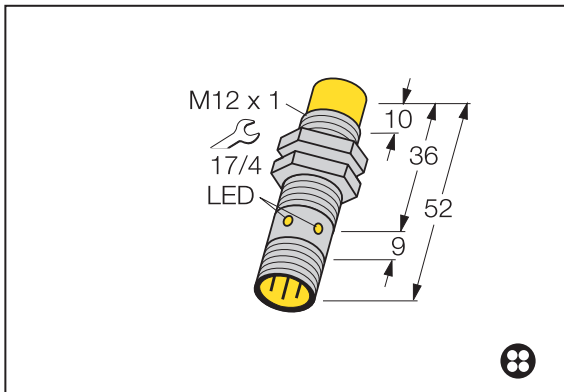


电感式接近开关 Inductive sensor
TL06X-12YP-RP6-SC

SENTINEL
INDUSTRIAL AUTOMATION



Type TL06X-12YP-RP6-SC
Ident No. 14404061

- Threaded barrel, M12x1
- Chrome-plated brass
- 3-wire, 10...30VDC
- 4 pin connector

技术参数
Technical parameter

电气参数 electrical parameter

Rated switching distance S_n	6 mm
Assured switching distance S_r	$\leq (0.81 \times S_n)$ mm
Mounting conditions	Non-flush
Operating voltage	10...30 VDC
Pulsating voltage	$\leq 20\%$
DC rated operational current	$\leq 100\text{mA}$
No-load current	$\leq 10\text{mA}$
Voltage drop at I_e	$\leq 2\text{V}$
Repeatability	$\leq 5\% S_r$
Hysteresis	3...15% S_r
Temperature drift	$\leq \pm 10\%$
Switching frequency	1000 Hz
Output function	3-wire NPN , NC
Short-circuit protection	yes
Reverse polarity protection	yes
Switching state	LED , yellow
Vibration resistance	55Hz (1mm)
Shock resistance	30g (11ms)
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	25Nm
Connection	4 pin connector
Cable quality	—————
Cable cross section	$3 \times 0.34 \text{ mm}^2$
Ambient temperature	-25...70°C

接线图
Wiring diagram

