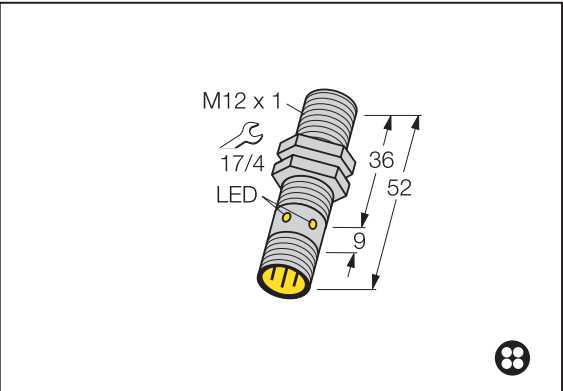


电感式接近开关 Inductive sensor

EL04X-12YP-AN6-SC



Type EL04X-12YP-AN6-SC  
Ident No. 10504014

- 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 $S_n$   | 4 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     | $\leq 100$ mA               |
| No-load current                  | $\leq 10$ mA                |
| Voltage drop at $I_e$            | $\leq 2$ 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 , 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                        | 4 pin connector          |
| Cable quality                     | PVC , 2m                 |
| Cable cross section               | 3 x 0.34 mm <sup>2</sup> |
| Ambient temperature               | -25...70°C               |

接线图  
Wiring diagram

