

- 1: Fastening clamp
2: sensing face



Product characteristics

Magnetic sensor

Plastic housing for T-slot cylinders

Cable with connector

Magnetic sensitivity 2.8 mT

Travel speed > 10 m/s

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...30 DC; cULus - Class 2 source required

Current consumption [mA]

< 10

Protection class

III

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 2.5

Current rating [mA]

100

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

10000

Monitoring range

Magnetic sensitivity [mT]

2.8

Travel speed [m/s]

> 10

Accuracy / deviations

Hysteresis [mm]

< 1.5

Repeatability [mm]

< 0.2

Reaction times

Power-on delay time [ms]

< 30

Environment

Ambient temperature [°C]

-25...85

Protection

IP 67

Tests / approvals

EMC

EN 61000-4-2 ESD: - CD / 8 kV AD
 EN 61000-4-3 HF radiated: 10 V/m
 EN 61000-4-4 Burst: 2 kV
 EN 61000-4-5 Surge: 0.5 kV (line to line, Ri: 20Ohm)
 EN 61000-4-6 HF conducted: 10 V
 EN 55011: class B

Mechanical data

Housing materials

PA (polyamide); stainless steel

U25124 - Magnetic sensor - eclass: 27270104 / 27-27-01-04

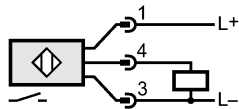
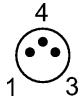
Displays / operating elements

Output status indication LED | yellow

Electrical connection

Connection | PUR cable / 0.3 m; with M8 connector, with turnable coupling ring

Wiring



Accessories

Accessories (included) | rubber placeholder; cable clip; E11872 (Adapter for SMC cylinder CP95)

Remarks

Pack quantity [piece] | 1