

1: sensing face



Product characteristics

Inductive sensor

Plastic housing for pneumatic cylinders

Quick disconnect

Magnetic sensitivity 2...35 mT

Travel speed max. 10 m/s

Electrical data

Electrical design

Operating voltage [V]

DC PNP

10...30 DC

Current consumption [mA]

< 2

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 2.3

Current rating [mA]

200

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

1000

Monitoring range

Magnetic sensitivity [mT]

2...35

Travel speed [m/s]

max. 10

Accuracy / deviations

Hysteresis [mm]

1.0

Repeatability [mm]

0.1

Reaction times

Power-on delay time [ms]

< 5

Environment

Ambient temperature [°C]

-25...70

Protection

IP 67

Tests / approvals

Shock / vibration resistance

30 g (11 ms) / 10-55 Hz (1 mm)

Mechanical data

Housing materials

PA 12

Weight [kg]

0.036

Displays / operating elements

Output status indication LED

red

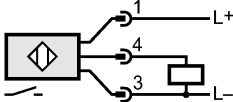
Electrical connection

**IQ5003 - Inductive sensor - eclass: 27270101 / 27-27-01-01**

Connection

M12 connector

**Wiring**



Remarks

Pack quantity

[piece]

1