

Product characteristics

Magnetic sensor

Rectangular, plastics

Quick disconnect

Sensing range 60 mm; referred to magnet M4.0

Magnetic sensitivity ca. 1.2 mT

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] 200

Short-circuit protection yes (non-latching)

Overload protection yes

Switching frequency [Hz] 5000

Monitoring range

Sensing range [mm] 60, referred to magnet M4.0

Magnetic sensitivity [mT] ca. 1.2

Accuracy / deviations

Hysteresis [% of Sr] 1...10

Environment

Ambient temperature [°C] -25...75

Protection IP 67

Tests / approvals

EMC

EN 61000-4-2 ESD: 4 kV 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: 20hm)

EN 61000-4-6 HF conducted: 10 V

EN 55011: class B

MTTF [Years] 2847

Mechanical data

Housing materials housing: PBT orange

Weight [kg] 0.017

Displays / operating elements

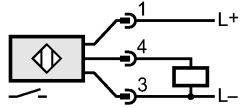
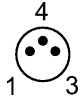
MS5010 - Magnetic sensor - eclass: 27270104 / 27-27-01-04

Output status indication LED | yellow

Electrical connection

Connection | M8 connector; gold-plated contacts

Wiring



Remarks

Pack quantity [piece] | 1