

Alternative article: MFT202

Article discontinued as of 31.March 2017

When selecting an alternative article and accessories please note that technical data may differ!

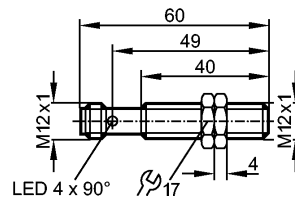
efector120

MFT200



MFK3060-BPKG/M/V4A/US-104-DPS

Magnetic sensors, cylinder sensors



Product characteristics

Magnetic sensor

Metal thread M12 x 1

Quick disconnect

Sensing range 60 mm; referred to magnet M4.0

Magnetic sensitivity 1.2 mT

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...30 DC

Current consumption [mA]

< 10

Protection class

II

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]

1.2

Accuracy / deviations

Hysteresis [% of Sr]

1...10

Environment

Ambient temperature [°C]

0...100

Protection

IP 68 / IP 69K

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: 20Ohm)

EN 61000-4-6 HF conducted:

10 V

EN 55011:

class B

MTTF

[Years]

2699

Mechanical data

Housing materials

housing: stainless steel (316L); active face: PEEK (polyether ether ketone); lock nuts: stainless steel

Weight

[kg]

0.035

Displays / operating elements

Output status indication

LED

yellow

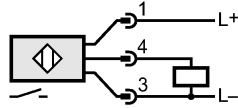
Electrical connection

MFT200 - Magnetic sensor - eclass: 27270104 / 27-27-01-04

Connection

M12 connector; gold-plated contacts

Wiring



Accessories

Accessories (included)

2 lock nuts

Remarks

Pack quantity

[piece]

1

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