

no longer available - archive entry replaced by: MK5100

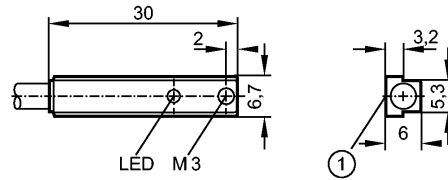
efector120

MK5020



MKN3000-BPKG

Magnetic sensors, cylinder sensors



1: sensing face



Product characteristics

Cylinder sensor

Plastic housing for T-slot cylinders

Cable

Magnetic sensitivity 3 mT

Travel speed max. 5 m/s

Active face at the front

Electrical data

Electrical design

DC PNP

Operating voltage [V]

10...30 DC

Current consumption [mA]

< 10

Reverse polarity protection

yes

Outputs

Output function

normally open

Voltage drop [V]

< 2

Current rating [mA]

100

Short-circuit protection

yes (non-latching)

Overload protection

yes

Switching frequency [Hz]

5000

Monitoring range

Magnetic sensitivity [mT]

3

Travel speed [m/s]

max. 5

Accuracy / deviations

Hysteresis [mm]

1.5

Repeatability [mm]

0.2

Reaction times

Power-on delay time [ms]

< 2

Environment

Ambient temperature [°C]

-25...75

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

Shock / vibration resistance

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

Mechanical data

sensing face

Active face at the front

Housing materials

plastics

Weight [kg]

0.06

Displays / operating elements

Output status indication LED

yellow

Electrical connection

Connection

PUR / PVC cable / 2 m; 3 x 0.25 mm²

Wiring

MK5020 - Cylinder sensor - eclass: 27270104 / 27-27-01-04

Core colors

BN brown

BU blue

BK black



Remarks

Pack quantity [piece] 1

ifm efector, inc. • 1100 Atwater Drive • Malvern • PA 19355 — We reserve the right to make technical alterations without prior notice. — US — MK5020 — 06.09.2004
no longer available - archive entry replaced by: MK5100