

New generation available: DI5020
 Article discontinued as of 31.March 2017

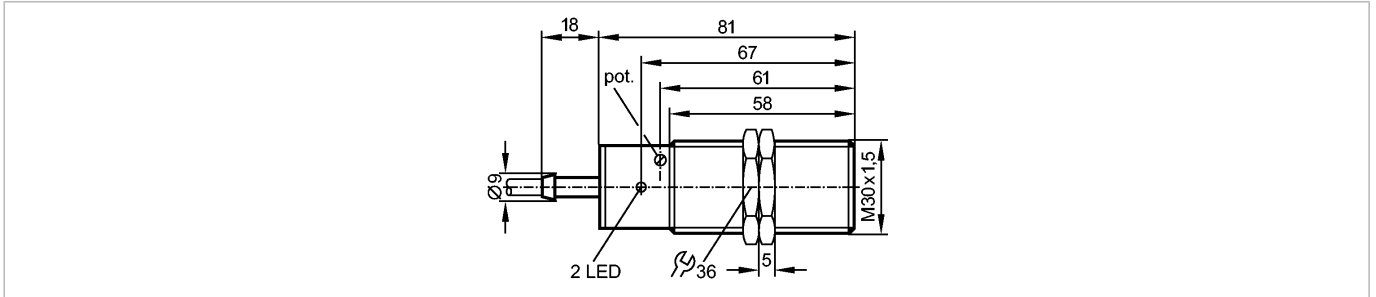
ecomat200

DI5001



DIA3010-ZPKG

Evaluation systems, power supplies



Product characteristics

Compact speed monitor M30

DIA

M30 x 1.5

Cable

Inductive sensor

Sensing range 10 mm [f]

flush mountable

Application

Application

Switching function

Electrical design

Switching output

Electrical data

Nominal voltage [V]

Current consumption [mA]

Reverse polarity protection

Outputs

Transistor

Current rating (continuous) [mA]

Current rating (peak) [mA]

Voltage drop [V]

Short-circuit proof

Overload protection

Monitoring range

Sensing range [mm]

Correction factors

Measuring / setting range

Setting range [pulses/min.]

Adjustment of the switch point

Hysteresis [% of Sp]

Start-up delay [s]

Reaction times

Damping frequency (max.) [pulses/min]

Environment

Ambient temperature [°C]

Protection

Safety classification

MTTF [a]

Mechanical data

simple evaluation of rotating and linear movement with regard to underspeed; blocking output is switched during the start-up delay and if (f actual) is greater than (f preset)

DC PNP

normally open

10...36 DC

< 15

yes

250

250

< 2.5

yes

yes

10

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3

5...300

multiturn potentiometer

10

15

15000

-25...80

IP 67

898

DI5001 - Compact speed monitor M30 - eclass: 27230220 / 27-23-02-20

Mounting		flush mountable
Housing materials		brass special coating; PBT (Pocan)
Weight	[kg]	0.276
Displays / operating elements		
Input pulses	LED	yellow
Output status indication	LED	green
Electrical connection		
Connection		PVC cable / 2 m; 3 x 0.5 mm ²

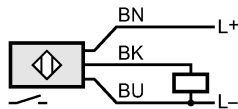
Wiring

Core colors

BK black

BN brown

BU blue



Remarks

Pack quantity	[piece]	1
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ifm efector, inc. • 1100 Atwater Drive • Malvern • PA 19355 — We reserve the right to make technical alterations without prior notice. — US — DI5001 — 03.07.2012

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