

Made in Germany

Product characteristics

Compact speed monitor M30

DIA

M30 x 1.5

Cable

Sensing range 10 mm [f]

flush mountable

Application

Application

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)

Switching function

Electrical design

DC PNP

Switching output

normally open

Electrical data

Nominal voltage [V]

10...36 DC

Current consumption [mA]

< 15

Reverse polarity protection

yes

Outputs

Transistor

Current rating (continuous) [mA]

250

Current rating (peak) [mA]

250

Voltage drop [V]

< 2.5

Short-circuit proof

yes

Overload protection

yes

Range

Sensing range [mm]

10

Correction factors

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3

Measuring / setting range

Setting range [pulses/min.]

5...300

Adjustment of the switch point

multiturn potentiometer

Hysteresis [% of Sp]

10

Start-up delay [s]

15

Reaction times

Damping frequency (max.) [pulses/min]

15000

Environment

Ambient temperature [°C]

-25...80

Protection

IP 67

Safety classification

MTTF [a]

898

Mechanical data

Mounting

flush mountable

Housing materials

brass special coating; PBT (Pocan)

Weight [kg]

0.276

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

Displays / operating elements

Input pulses	LED	yellow
Output status indication	LED	green

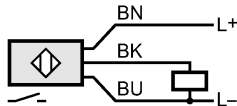
Electrical connection

Connection	PVC cable / 2 m; 3 x 0.5 mm ²
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Wiring

Core colours

- BK black
- BN brown
- BU blue



Remarks

Pack quantity	[piece]	1
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