

Article discontinued as of 31 March 2017

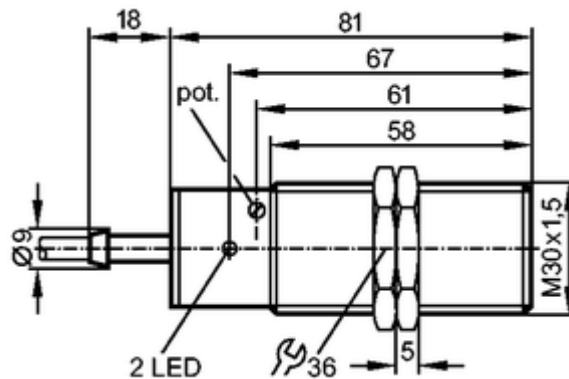
# ecomat200<sup>®</sup>



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

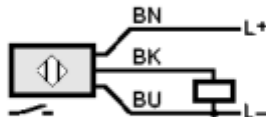
### Range

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
Displays / operating elements	
Input pulses LED	yellow
Output status indication LED	green
Electrical connection	
Connection	PVC cable / 2 m; 3 x 0.5 mm <sup>2</sup>

### Wiring

Core colours  
 BK black  
 BN brown  
 BU blue



Remarks	
Pack quantity [piece]	1

ifm electronic gmbh • Friedrichstraße 1 • 45128 Essen — We reserve the right to make technical alterations without prior notice. — GB — DI5001 — 03.07.2012

**Article discontinued as of 31 March 2017**