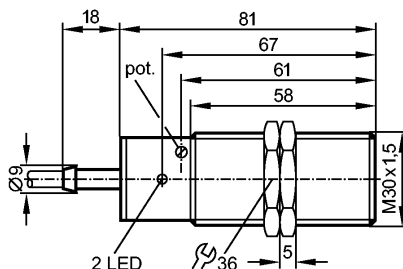


**DI0001**

DIA2010-ZROA/5-300 I/MIN

Evaluation systems, power supplies

**New generation available: DI0101  
Article discontinued as of 31.March 2017**



**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	AC/DC
Switching output	normally open

**Electrical data**

Nominal voltage [V]	20...250 AC/DC
Reverse polarity protection	no

**Outputs**

Transistor	
Current rating (continuous) [mA]	250 AC / 100 DC; 350 AC (...50 °C)
Current rating (peak) [mA]	2200
Minimum load current [mA]	> 6
Leakage current [mA]	< 1.5
Voltage drop [V]	< 6.5
Short-circuit proof	no
Overload protection	no

**Monitoring range**

Sensing range [mm]	10
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3

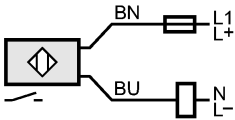
**Measuring / setting range**

Setting range [pulses/min.]	5...300
Adjustment of the switch point	multiturn potentiometer
Hysteresis [% of Sp]	10
Start-up delay [s]	12

## DI0001

DIA2010-ZROA/5-300 I/MIN

Evaluation systems, power supplies

Reaction times	
Damping frequency (max.) [pulses/min]	1500
Environment	
Ambient temperature [°C]	-25...80
Protection	IP 67
Safety classification	
MTTF [a]	347
Mechanical data	
Mounting	flush mountable
Housing materials	brass special coating; PBT (Pocan)
Weight [kg]	0.256
Displays / operating elements	
Output status indication LED	green
Electrical connection	
Connection	PVC cable / 2 m; 2 x 0.5 mm <sup>2</sup>
<b>Wiring</b> Core colors BN brown BU blue	
	
Note: miniature fuse to IEC60127-2 sheet 1, ≤ 2 A (fast acting)	
Remarks	
Remarks	Recommendation: check the unit for reliable function after a short circuit.
Pack quantity [piece]	1

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