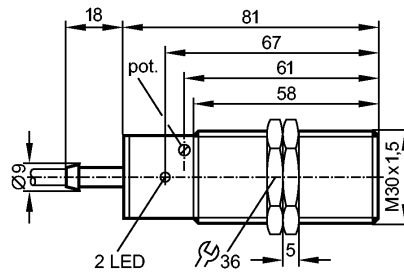


DI0002

DIA2010-ZROA/50-3000 I/MIN

Evaluation systems, power supplies



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
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]	350 AC (...50 °C) / 250 AC (...80 °C) / 100 DC
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

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.]	50...3000
Adjustment of the switch point	multiturn potentiometer
Hysteresis [% of Sp]	10
Start-up delay [s]	12

Reaction times

Damping frequency (max.) [pulses/min]	4000
---------------------------------------	------

DI0002

DIA2010-ZROA/50-3000 I/MIN

Evaluation systems, power supplies

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]	0.242

Displays / operating elements

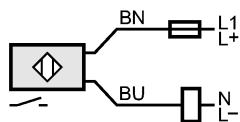
Output status indication	LED	green
--------------------------	-----	-------

Electrical connection

Connection		PVC cable / 2 m; 2 x 0.5 mm ²
------------	--	--

Wiring

Core colours
 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
---------------	---------	---