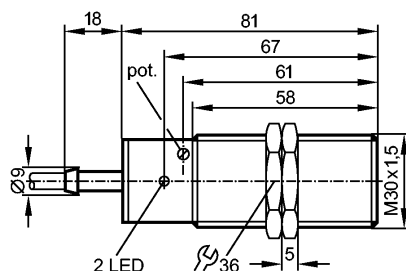


DI0002

DIA2010-ZROA/50-3000 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.]	50...3000
Adjustment of the switch point	multiturn potentiometer
Hysteresis [% of Sp]	10
Start-up delay [s]	12

DI0002

DIA2010-ZROA/50-3000 I/MIN

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Reaction times

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

Ambient temperature [°C]	-25...80
Protection	IP 67

Safety classification

MTTF [a]	347
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Mechanical data

Mounting	flush mountable
Housing materials	brass special coating; PBT (Pocan)
Weight [kg]	0.242

Displays / operating elements

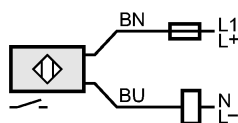
Output status indication LED	green
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Electrical connection

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

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.
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Pack quantity [piece]	1
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