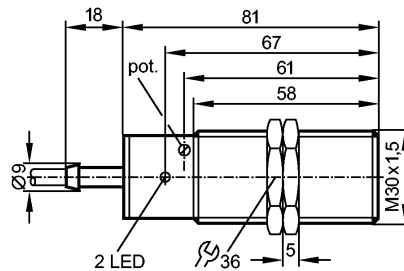


DI0002

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 |

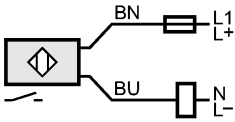
Measuring / setting range

| | |
|--------------------------------|-------------------------|
| 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

Evaluation systems, power supplies

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