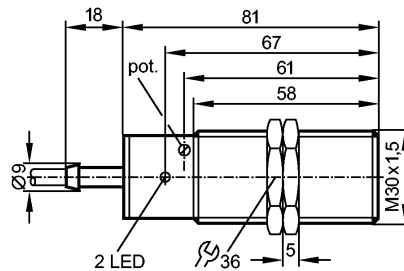


DI0004

DIA2010-ZROA/5-300 I/MIN OAU

Evaluation systems, power supplies

New generation available: DI0104
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
Protection class	II

Outputs

Transistor	
Current rating (continuous) [mA]	250 AC / 100 DC; 350 AC (...50 °C)
Current rating (peak) [mA]	2200
Minimum load current [mA]	10
Leakage current [mA]	< 2.5
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



DI0004

DIA2010-ZROA/5-300 I/MIN OAU

Evaluation systems, power supplies

Start-up delay	[s]	< 0.5
----------------	-----	-------

Reaction times

Damping frequency (max.) [pulses/min]		1500
------------------------------------------	--	------

Environment

Ambient temperature	[°C]	-25...70
Protection		IP 67

Tests / approvals

EMC		EN 60947-5-2
-----	--	--------------

Safety classification

MTTF	[a]	350
------	-----	-----

Mechanical data

Mounting		flush mountable
Housing materials		brass special coating; PBT (Pocan)
Weight	[kg]	0.244

Displays / operating elements

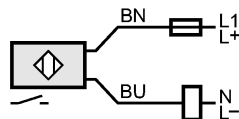
Input pulses	LED	yellow
Output status indication	LED	green

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
---------------	---------	---

New generation available: DI0104
Article discontinued as of 31.March 2017