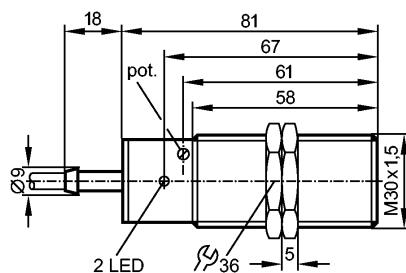


DI0004

DIA2010-ZROA/5-300 I/MIN OAU

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
Protection class	II

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]	10
Leakage current [mA]	< 2.5
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.]	5...300
Adjustment of the switch point	multiturn potentiometer
Hysteresis [% of Sp]	10
Start-up delay [s]	< 0.5

Reaction times

DI0004

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

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

Tests / approvals

EMC	EN 60947-5-2
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Safety classification

MTTF	[a]	350
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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

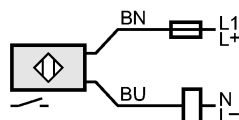
Connection	PVC cable / 2 m; 2 x 0.5 mm ²
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Wiring

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.
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Pack quantity	[piece]	1
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