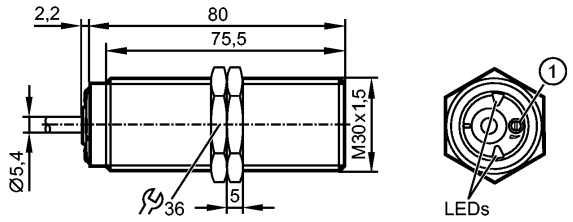
ecomat200

DI0101

DIA2010-ZROA/5-3600 I/MIN

Evaluation systems, power supplies



1: potentiometer

CE

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 (45...65 Hz, AC)
Reverse polarity protection		yes
Protection class		II
Outputs		
Transistor		
Current rating (continuous)	[mA]	350 AC, 50 °C / 250 AC, 80 °C / 100 DC, 80 °C
Current rating (peak)	[mA]	2200 (20 ms / 0.5 Hz)
Minimum load current	[mA]	> 6
Leakage current	[mA]	< 1.5
Voltage drop	[V]	< 7.5
Short-circuit proof		no
Overload protection		no
Monitoring range		
Sensing range (Sn)	[mm]	10
Real sensing range (Sr)	[mm]	10 ± 10 %
Operating distance	[mm]	0...8.1
Correction factors		mild steel = 1 / stainless steel approx. 0.8 / brass approx. 0.5 / aluminium approx. 0.5 / Cu approx. 0.4
Measuring / setting range		
Setting range	[pulses/min.]	5...3600
Adjustment of the switch point		multiturn potentiometer
Hysteresis	[% of Sp]	10
Start-up delay	[s]	12

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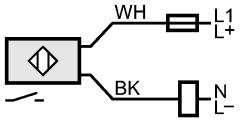
Reaction times		
Damping frequency (max.) [pulses/min]		4800 *)
Environment		
Ambient temperature	[°C]	-25...80
Protection		IP 65 / IP 67
Tests / approvals		
EMC		EN 60947-5-2
Mechanical data		
Mounting		flush mountable
Housing materials		brass special coating; PA (polyamide); TPE-U
Weight	[kg]	0.296
Displays / operating elements		
Output status indication	LED	2 x yellow
Electrical connection		
Connection		PUR cable / 2 m; 2 x 0.5 mm²

Wiring

Core colors

BK black

WH white



Note: miniature fuse to IEC60127-2 sheet 1,
≤ 2 A (fast acting)

Accessories		
Accessories (included)		2 lock nuts
Remarks		
Remarks		Recommendation: check the unit for reliable function after a short circuit. *) bei Sn/2
Pack quantity	[piece]	1