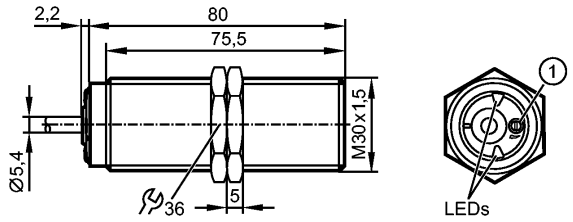
ecomat200

DI5020

DIA3010-ZPKG

Evaluation systems, power supplies



1: potentiometer

CE

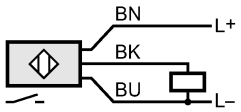
Product characteristics		
Compact speed monitor M30		
DIA		
M30 x 1.5		
Cable		
Inductive sensor		
Sensing range 10 mm [f]		
flush mountable		
Application		
Application		simple evaluation of rotating and linear movement with regard to underspeed; blocking
Switching function		output is switched during the start-up delay and if (f actual) is greater than (f preset)
Electrical design		DC PNP
Switching output		normally open
Electrical data		
Nominal voltage	[V]	10...36 DC
Current consumption	[mA]	< 20
Reverse polarity protection		yes
Protection class		III
Outputs		
Transistor		
Current rating (continuous)	[mA]	250
Current rating (peak)	[mA]	250
Voltage drop	[V]	< 2.5
Short-circuit proof		yes
Overload protection		yes
Monitoring range		
Sensing range	[mm]	10
Operating distance	[mm]	0...8.1
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...3600
Adjustment of the switch point		multiturn potentiometer
Hysteresis	[% of Sp]	10
Start-up delay	[s]	15
Reaction times		

Damping frequency (max.) [pulses/min]		18000
Environment		
Ambient temperature	[°C]	-25...80
Protection		IP 65 / IP 67
Safety classification		
MTTF	[a]	656
Mechanical data		
Mounting		flush mountable
Housing materials		brass special coating; PA (polyamide); TPE-U
Weight	[kg]	0.302
Displays / operating elements		
Input pulses	LED	yellow
Output status indication	LED	green
Electrical connection		
Connection		PUR cable / 2 m; 3 x 0.5 mm²

Wiring

Core colors

BK black
BN brown
BU blue



Accessories		
Accessories (included)		2 lock nuts
Remarks		
Pack quantity	[piece]	1