

Product characteristics

Compact speed monitor M30

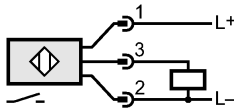
DIA		
M30 x 1.5		
Quick disconnect		
Inductive sensor		
Sensing range 10 mm [f]		
flush mountable		
Application		
Application	simple evaluation of rotating and linear movement with regard to underspeed; blocking	
Switching function	output is switched during the start-up delay and if (f actual) is greater than (f preset)	
Electrical design	DC PNP	
Switching output	normally open	
Electrical data		
Nominal voltage [V]	10...36 DC	
Current consumption [mA]	< 15	
Reverse polarity protection	yes	
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	
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	
Start-up delay [s]	15	
Reaction times		
Damping frequency (max.) [pulses/min]	15000	
Environment		
Ambient temperature [°C]	-25...80	
Protection	IP 67	
Safety classification		
MTTF [a]	898	

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Mechanical data

Mounting		flush mountable
Housing materials		brass special coating; PBT (Pocan)
Weight	[kg]	0.2
Displays / operating elements		
Input pulses	LED	yellow
Output status indication	LED	green
Electrical connection		
Connection		SS connector

Wiring



Accessories

Accessories (included)		Valve plug type A (according to DIN EN 175301-803)
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Remarks

Pack quantity	[piece]	1
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