

Product characteristics

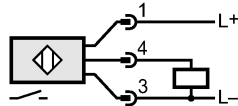
Compact speed monitor M30

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
Mechanical data	
Mounting	flush mountable
Housing materials	brass special coating; PBT (Pocan)

DI5009 - Compact speed monitor M30 - eclass: 27230220 / 27-23-02-20

Weight	[kg]	0.186
Displays / operating elements		
Input pulses	LED	yellow
Output status indication	LED	green
Electrical connection		
Connection		M12 connector; gold-plated contacts

Wiring



Remarks

Pack quantity	[piece]	1
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