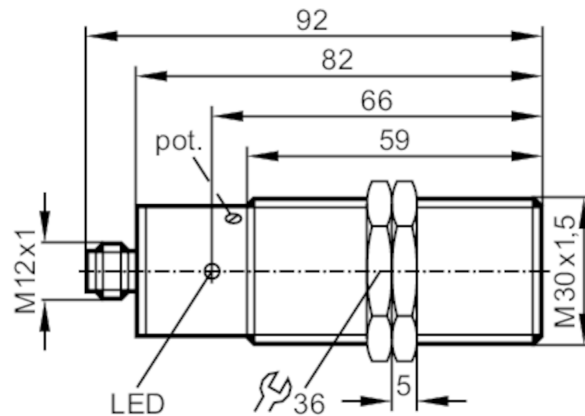




Compact evaluation unit for speed monitoring

DIA3010-ZPKG/US-100-DPS



Application

Application	simple evaluation of rotating and linear movement with regard to underspeed; blocking
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Electrical data

Nominal voltage DC	[V]	10...36
Current consumption	[mA]	< 15
Reverse polarity protection		yes

Outputs

Total number of outputs		1
Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Short-time current rating of switching output	[mA]	250
Short-circuit proof		yes
Overload protection		yes

Detection zone

Sensing range	[mm]	10
Sensing range adjustable		no

Measuring/setting range

Setting range	[Imp/min]	5...300
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Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	10

Response times

Start-up delay	[s]	15
Max. damping frequency	[Imp/min]	15000



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Software / programming		
Adjustment of the switch point	multiturn potentiometer	
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection	IP 67	
Tests / approvals		
MTTF	[years]	898
Mechanical data		
Weight	[g]	190
Mounting	flush mountable	
Dimensions	[mm]	M30 x 1.5 / L = 82
Thread designation	M30 x 1.5	
Materials	brass special coating; PBT	
Displays / operating elements		
Display	switching status	1 x LED, green
Electrical connection		

Connector: 1 x M12; Contacts: gold-plated



Connection

