

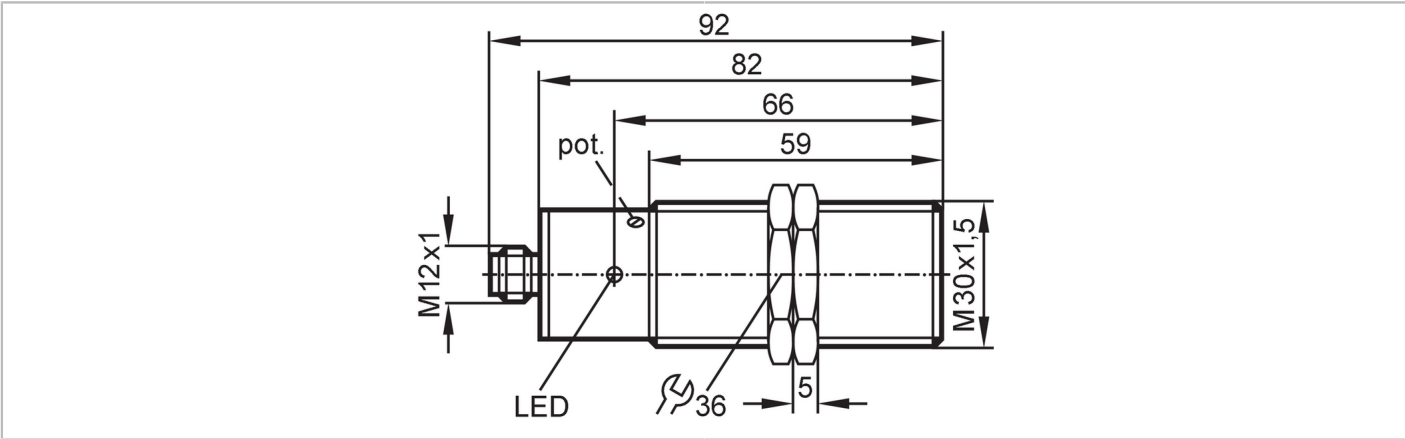


Compact evaluation unit for speed monitoring

DIA3010-ZPKG/US-100-DPS

Article no longer available - archive entry

Alternative articles: DI5023
When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	10
Housing		threaded type
Dimensions	[mm]	M30 x 1.5 / L = 82
Application		
Special feature		Gold-plated contacts
Application		simple evaluation of rotating and linear movement with regard to underspeed; blocking
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



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Sensing range adjustable	no	
Measuring/setting range		
Setting range	[Imp/min]	5...300
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
Software / programming		
Adjustment of the switch point	multiturn potentiometer	
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection	IP 67	
Mechanical data		
Weight	[g]	190
Housing	threaded type	
Mounting	flush mountable	
Dimensions	[mm]	M30 x 1.5 / L = 82
Thread designation	M30 x 1.5	
Materials	housing: brass special coating; sensing face: PBT	
Tightening torque	[Nm]	50
Displays / operating elements		
Display	switching status	1 x LED, green
Electrical connection		
Connector: 1 x M12; coding: A; Contacts: 4, gold-plated		
		

Connection

