

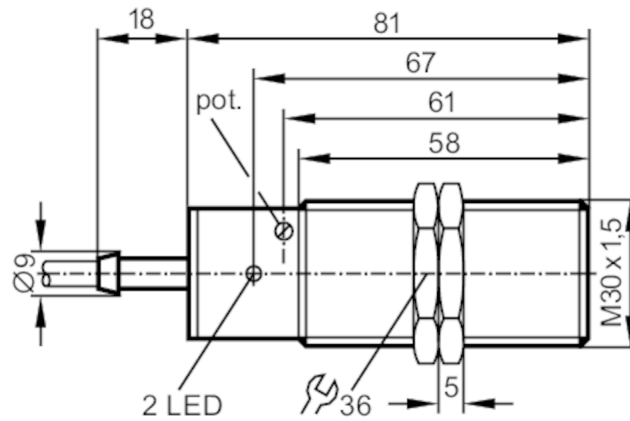
Compact evaluation unit for speed monitoring

DIA2010-ZROA/50-3000 I/MIN

Article no longer available - archive entry

Alternative articles: DI0101

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Output function		normally open
Sensing range	[mm]	10
Dimensions	[mm]	M30 x 1.5 / L = 81

Application

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

Nominal voltage AC	[V]	20...250
Nominal voltage DC	[V]	20...250
Reverse polarity protection		no

Outputs

Total number of outputs		1
Output function		normally open
Max. voltage drop switching output DC	[V]	6.5
Minimum load current	[mA]	6
Max. leakage current	[mA]	1.5
Permanent current rating of switching output AC	[mA]	250; (350 AC (...50 °C))
Permanent current rating of switching output DC	[mA]	100
Short-time current rating of switching output	[mA]	2200
Short-circuit proof		no
Overload protection		no

Detection zone

Sensing range	[mm]	10
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Sensing range adjustable		no
Measuring/setting range		
Setting range	[Imp/min]	50...3000
Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3	
Hysteresis	[X01]	10
Response times		
Start-up delay	[s]	12
Max. damping frequency	[Imp/min]	4000
Software / programming		
Adjustment of the switch point	multiturn potentiometer	
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection	IP 67	
Mechanical data		
Weight	[g]	242
Mounting	flush mountable	
Dimensions	[mm]	M30 x 1.5 / L = 81
Thread designation	M30 x 1.5	
Materials	brass special coating; PBT	
Tightening torque	[Nm]	50
Displays / operating elements		
Display	switching status	1 x LED, green
Electrical connection		
Required protection	miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting	
Remarks		
Remarks	Recommendation Check the safe functioning of the unit after a short circuit.	

DI0002



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Electrical connection

Cable: 2 m, PVC; 2 x 0.5 mm²

Connection



Note miniature fuse to IEC60127-2 sheet 1 ≤ 2 A (fast acting)

Core colours :

BN = brown

BU = blue