

DI0001



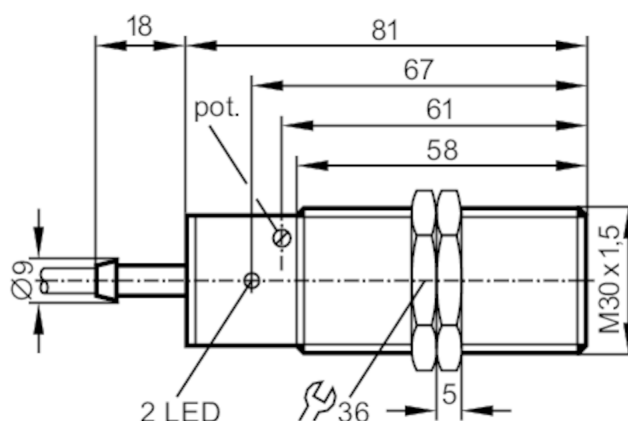
Compact evaluation unit for speed monitoring

DIA2010-ZROA/5-300 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

Monitoring range

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 / aluminum: 0.4 / copper: 0.3
Hysteresis [% of Sr]	10
Reaction times	
Start-up delay [s]	12
Max. damping frequency [Imp/min]	1500
Software / programming	
Adjustment of the switch point	multiturn potentiometer
Operating conditions	
Ambient temperature [°C]	-25...80
Protection	IP 67
Mechanical data	
Weight [g]	255.8
Mounting	flush mountable
Dimensions [mm]	M30 x 1.5 / L = 81
Thread designation	M30 x 1.5
Material	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.

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Electrical connection

Cable: 2 m, PVC; 2 x 0.5 mm²

Connection



Note miniature fuse to IEC60127-2 sheet 1 $\leq$ 2 A (fast acting)

Core colors :

BN = brown

BU = blue