

# DI0100



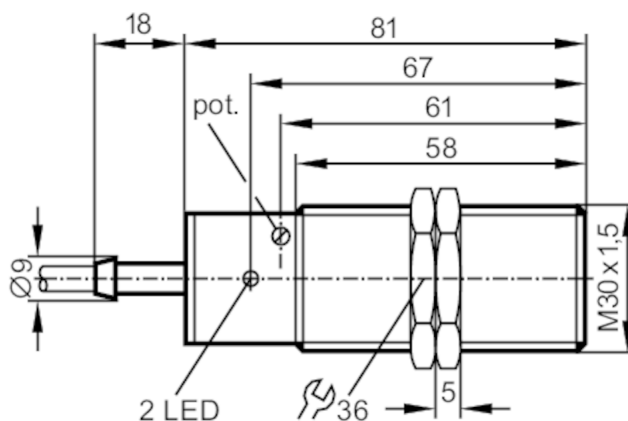
## Compact evaluation unit for speed monitoring

DIA3010-ZROW

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
Current consumption	[mA]	< 2.5
Reverse polarity protection		no

### Outputs

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

### Detection zone

Sensing range	[mm]	10
Sensing range adjustable		no

### Measuring/setting range

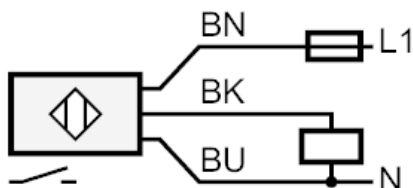
Setting range	[Imp/min]	5...300
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Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3	
Hysteresis	[% of Sr]		
		10	
Response times			
Start-up delay		[s]	12
Max. damping frequency		[Imp/min]	1500
Software / programming			
Adjustment of the switch point		multiturn potentiometer	
Operating conditions			
Ambient temperature		[°C]	-25...80
Protection		IP 67	
Mechanical data			
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
Remarks			
Remarks		Recommendation Check the safe functioning of the unit after a short circuit.	
Electrical connection			
Cable: 2 m, PVC; 3 x 0.5 mm²			
Connection			



Note                      miniature fuse to IEC60127-2 sheet 1 ≤ 2 A (fast acting)  
                                  Core colours :  
 BK =                      black  
 BN =                      brown  
 BU =                      blue