

# DI0100

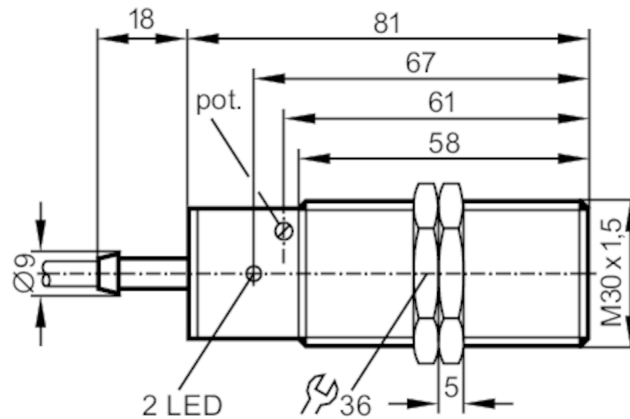


## Compact evaluation unit for speed monitoring

DIA3010-ZROW

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### 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.	

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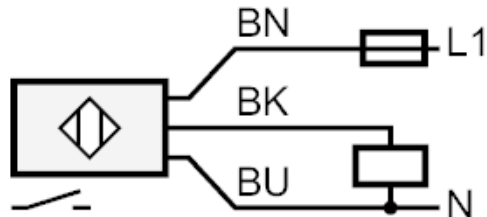
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### Electrical connection

Cable: 2 m, PVC; 3 x 0.5 mm<sup>2</sup>

### Connection



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

Core colours :

BK = black  
BN = brown  
BU = blue

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