

# DI0100



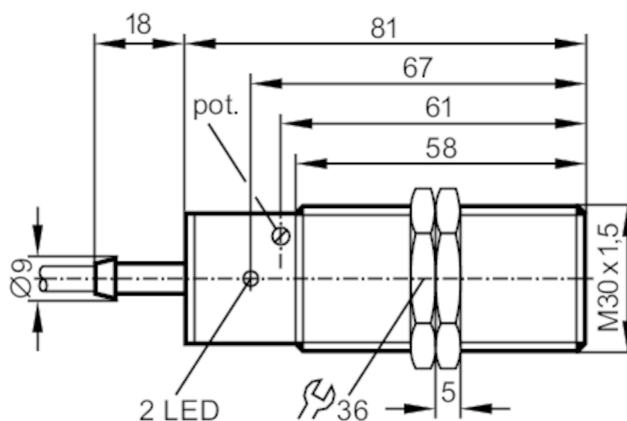
## Compact evaluation unit for speed monitoring

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

### Monitoring range

Sensing range	[mm]	10
Sensing range adjustable		no

### Measuring/setting range

Setting range	[Imp/min]	5...300
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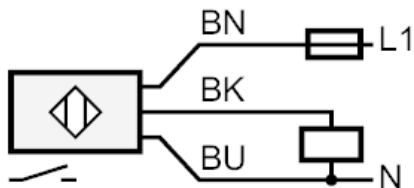
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Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	10
Reaction times		
Start-up delay	[s]	12
Max. damping frequency	[Imp/min]	1500
Software / programming		
Adjustment of the switch point		multiturn potentiometer
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Mechanical data		
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
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 colors :
BK =	black
BN =	brown
BU =	blue