

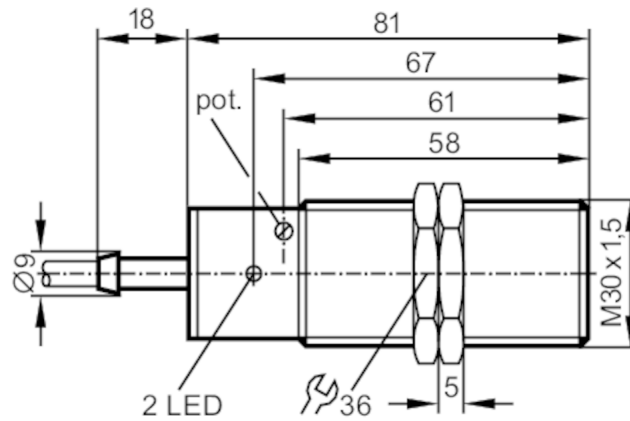
Compact evaluation unit for speed monitoring

DIA3010-YPKG

Article no longer available - archive entry

Alternative articles: DI5021

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



Product characteristics

Electrical design		PNP
Output function		normally closed
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 DC	[V]	10...36
Current consumption	[mA]	< 15
Reverse polarity protection		yes

Outputs

Total number of outputs		1
Electrical design		PNP
Output function		normally closed
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Short-time current rating of switching output	[mA]	250
Short-circuit proof		yes
Overload protection		yes

Detection zone

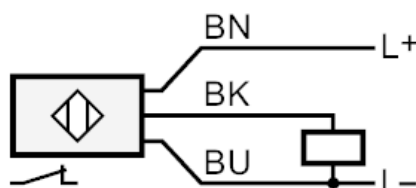
Sensing range	[mm]	10
Sensing range adjustable		no



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Measuring/setting range		
Setting range	[Imp/min]	5...300
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]	15
Max. damping frequency	[Imp/min]	15000
Software / programming		
Adjustment of the switch point		multiturn potentiometer
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Mechanical data		
Weight	[g]	256.6
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		
Cable: 2 m, PVC; 3 x 0.5 mm ²		
Connection		



Core colours :
 BK = black
 BN = brown
 BU = blue