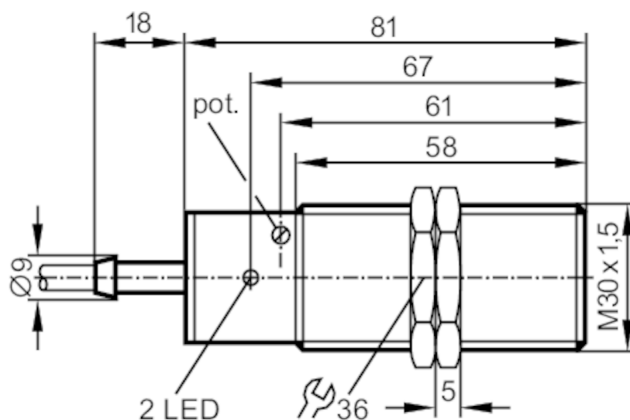




Compact evaluation unit for speed monitoring

DIA3010-ZPKG/30-3000 I/MIN/6M

Article no longer available - archive entry



Product characteristics

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

Outputs

Total number of outputs		1
Electrical design		PNP
Output function		normally open
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

Monitoring range

Sensing range	[mm]	10
Sensing range adjustable		no

Measuring/setting range

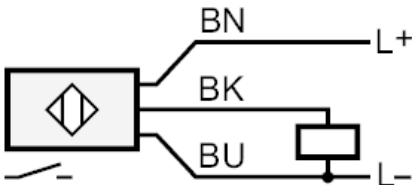
Setting range	[Imp/min]	30...3000
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Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	10
Reaction times		
Start-up delay		[s]15
Max. damping frequency		[Imp/min]15000
Software / programming		
Adjustment of the switch point		multiturn potentiometer
Operating conditions		
Ambient temperature		[°C]-25...80
Protection		IP 67
Mechanical data		
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 status1 x LED, green
Electrical connection		
Cable: 6 m, PVC; 3 x 0.5 mm²		
Connection		



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