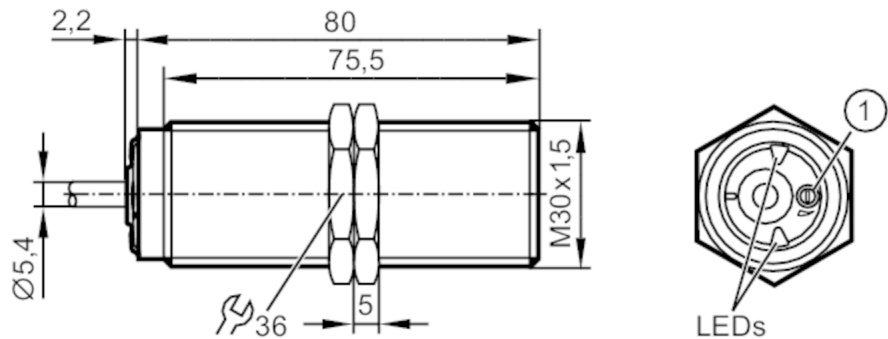




Compact evaluation unit for speed monitoring

DIA3010-ZPKG



1 potentiometer



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	10
Housing		threaded type
Dimensions	[mm]	M30 x 1.5 / L = 80
Application		
Application	simple evaluation of rotating and linear movement with regard to underspeed; blocking	
Electrical data		
Nominal voltage DC	[V]	10...36
Current consumption	[mA]	< 20
Protection class		III
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
Detection zone		
Sensing range	[mm]	10
Sensing range adjustable		no
Operating distance	[mm]	0...8.1
Measuring/setting range		
Setting range	[Imp/min]	5...3600
Measuring principle		inductive



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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		15 [s]
Max. damping frequency		18000 [Imp/min]
Software / programming		
Adjustment of the switch point		multiturn potentiometer
Operating conditions		
Ambient temperature		-25...80 [°C]
Storage temperature		-25...80 [°C]
Protection		IP 65; IP 67
Tests / approvals		
MTTF		656 [years]
Mechanical data		
Weight		282.3 [g]
Housing		threaded type
Mounting		flush mountable
Dimensions		M30 x 1.5 / L = 80 [mm]
Thread designation		M30 x 1.5
Materials		brass special coating; PA; TPE-U
Tightening torque		50 [Nm]
Displays / operating elements		
Display		switching status 1 x LED, green
Accessories		
Items supplied		lock nuts: 2

DI5020



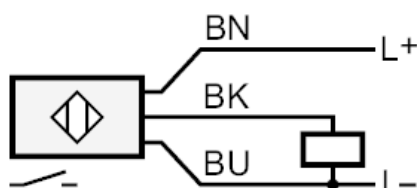
Compact evaluation unit for speed monitoring

DIA3010-ZPKG

Electrical connection

Cable: 2 m, PUR; 3 x 0.5 mm²

Connection



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