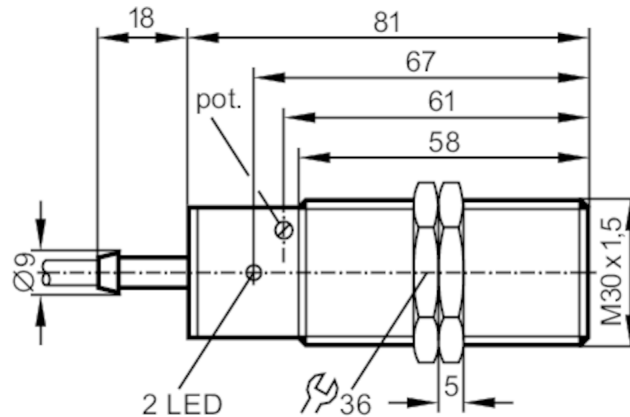




Compact evaluation unit for speed monitoring

DIA3010-ZPKG/5M

phase-out article



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	10
Housing	threaded type
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

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]	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	
Tests / approvals		
MTTF [years]	898	
Mechanical data		
Weight [g]	395	
Housing	threaded type	
Mounting	flush mountable	
Dimensions [mm]	M30 x 1.5 / L = 81	
Thread designation	M30 x 1.5	
Materials	housing: brass special coating; PBT	
Tightening torque [Nm]	50	
Displays / operating elements		
Display	switching status	1 x LED, green
Remarks		
Pack quantity	1 pcs.	
Electrical connection		
Cable: 5 m, PVC; 3 x 0.5 mm²		
Connection		



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