

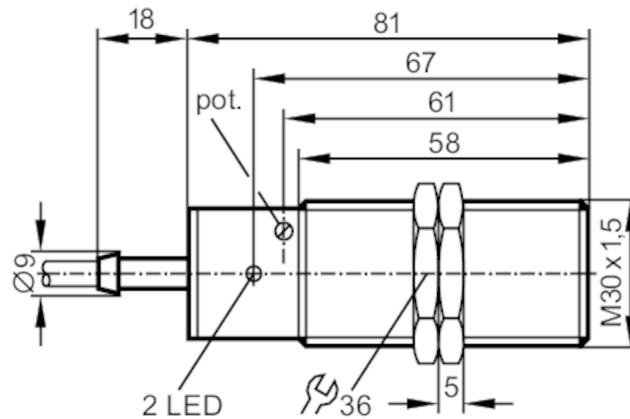


Compact evaluation unit for speed monitoring

DIA3010-ZPKG

Status Archive

DI5020



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]	< 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
---------------	-----------	---------

Accuracy / deviations

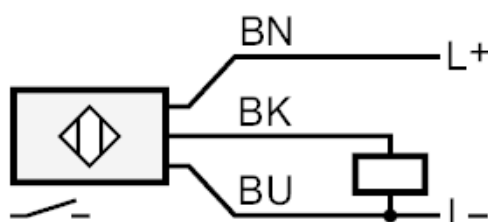
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis [% of Sr]	10



Compact evaluation unit for speed monitoring

DIA3010-ZPKG

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]	276
Mounting		flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 81
Thread designation		M30 x 1.5
Materials		brass special coating; PBT
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

Status Archive

DI5020