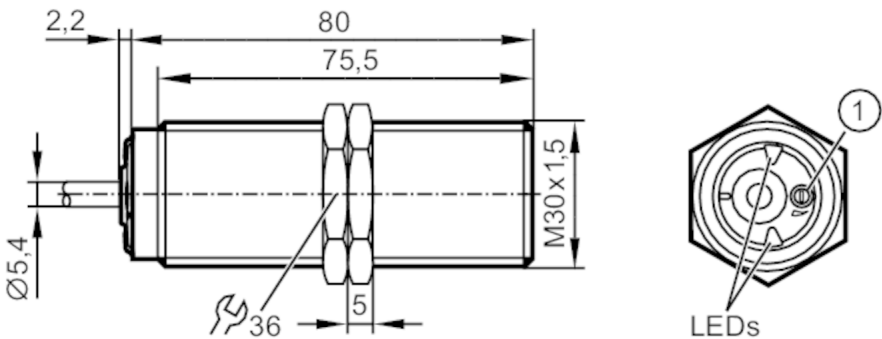


DI520A



Compact evaluation unit for speed monitoring

DIA3010-ZPKG/3D



1 potentiometer



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	10
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
Real sensing range Sr	[mm]	10 ± 10 %
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	[X01]	10
Response times		
Start-up delay	[s]	15
Max. damping frequency	[Imp/min]	18000
Software / programming		
Adjustment of the switch point		multiturn potentiometer
Operating conditions		
Ambient temperature	[°C]	-20...60
Storage temperature	[°C]	-25...60
Protection		IP 65; IP 67
Tests / approvals		
Approval		IECEX BVS 17.0094X
ATEX marking		 II 3D Ex tc IIIC T80°C Dc X
EMC		EN 60947-5-2
MTTF	[ANN]	656
Mechanical data		
Weight	[g]	320
Mounting		flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 80
Thread designation		M30 x 1.5
Materials		brass special coating; PA; TPE-U
Displays / operating elements		
Display	switching status	1 x LED, green
	input signal	1 x LED, yellow
Аксессуары		
Items supplied		lock nuts: 2
Remarks		
Remarks		Recommendation Check the safe functioning of the unit after a short circuit.

DI520A



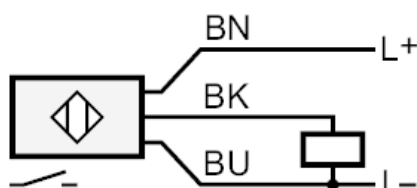
Compact evaluation unit for speed monitoring

DIA3010-ZPKG/3D

Electrical connection

Cable: 2 m, PUR; 3 x 0.5 mm²

Connection



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