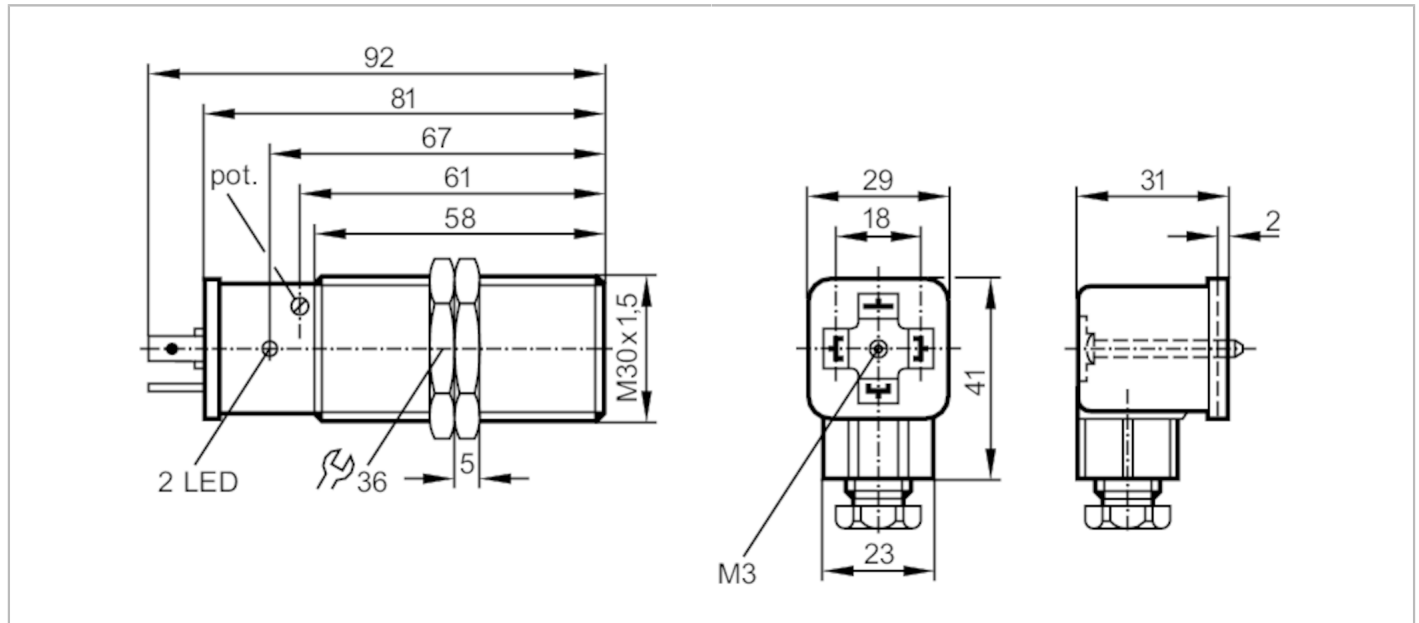


Compact evaluation unit for speed monitoring

DIA3010-ZPKG/SS-000-K/5S AUE



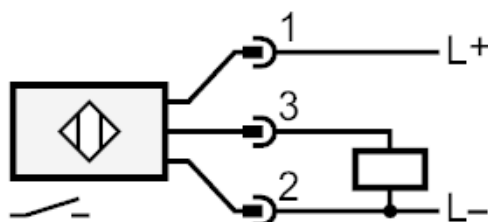
Application		
Application	simple evaluation of rotating and linear movement with regard to underspeed; blocking	
Electrical data		
Nominal voltage DC	[V]	10...36
Current consumption	[mA]	< 15
Reverse polarity protection		yes
Outputs		
Total number of outputs		1
Electrical design		PNP
Output function		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/SS-000-K/5S AUE

Response times		
Start-up delay	[s]	5
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]	905
Mechanical data		
Weight	[g]	199.4
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
Accessories		
Accessories (supplied)		valve plug type A:, DIN EN 175301-803
Electrical connection		
Connection		



Connector: 1 x SS plug-and-socket connection