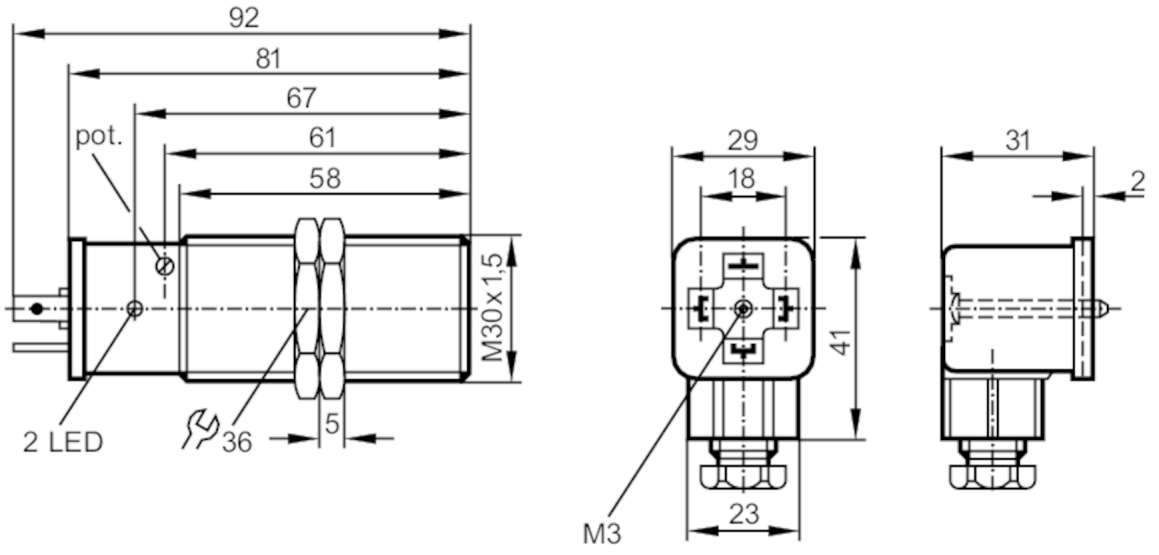
DI5004

Compact evaluation unit for speed monitoring

DIA3010-ZPKG/SS-000-K

phase-out article

Alternative articles: DI5023 + E30436
When selecting an alternative article and accessories please note that technical data may differ!



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
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

DI5004

Compact evaluation unit for speed monitoring

DIA3010-ZPKG/SS-000-K

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
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]		200
Housing			threaded type
Mounting			flush mountable
Dimensions	[mm]		M30 x 1.5 / L = 81
Thread designation			M30 x 1.5
Materials			brass special coating; PBT
Tightening torque	[Nm]		50
Displays / operating elements			
Display		switching status	1 x LED, green
Accessories			
Items supplied			valve plug type A:, DIN EN 175301-803

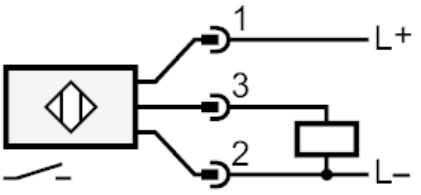
DI5004

Compact evaluation unit for speed monitoring

DIA3010-ZPKG/SS-000-K

Electrical connection

Connection



Connector: 1 x SS plug-and-socket connection