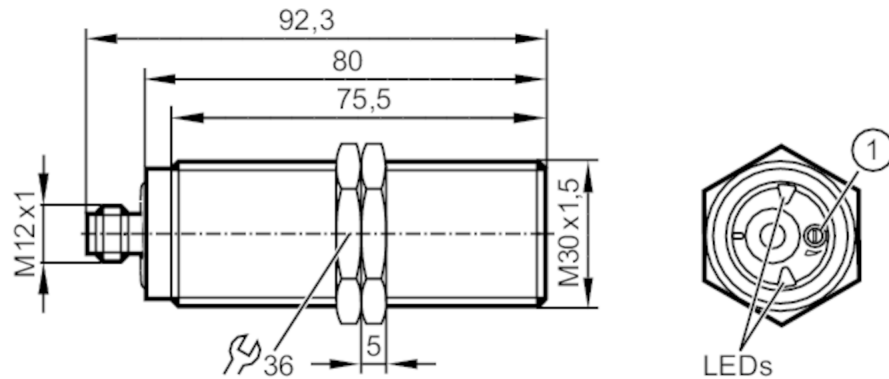


DI5024



Speed monitor

DIA3010-WRKG/IO/US



1 potentiometer



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]	< 22
Protection class		III
Reverse polarity protection		yes

Outputs

Output function		normally open / normally closed; (parameterisable)
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
Electrical design		PNP/NPN
Short-circuit proof		yes
Overload protection		yes

Detection zone

Sensing range	[mm]	10
Sensing range adjustable		no
Operating distance	[mm]	0...8.1

Measuring/setting range

Setting range	[Imp/min]	5...3600
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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]	18000



Speed monitor

DIA3010-WRKG/IO/US

Software / programming		
Adjustment of the switch point	Multiturn potentiometer or IO-Link	
Interfaces		
Communication interface	IO-Link	
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection	IP 65; IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
Shock resistance	DIN EN 60947-5-2	
Vibration resistance	DIN EN 60947-5-2	
MTTF	[years]	3262
Mechanical data		
Weight	[g]	251
Mounting	flush mountable	
Dimensions	[mm]	M30 x 1.5 / L = 92.3
Thread designation	M30 x 1.5	
Materials	brass special coating; PA; stainless steel; TPE-U	
Displays / operating elements		
Display	switching status	1 x LED, green
Accessories		
Accessories (supplied)	lock nuts: 2	
Electrical connection		
Connector: 1 x M12		
		

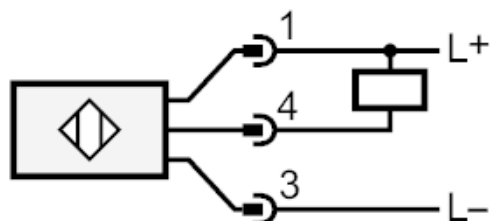
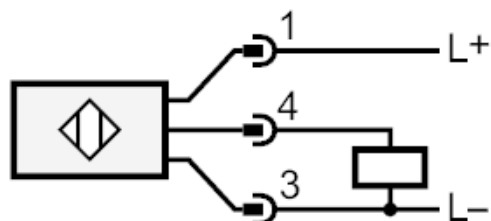
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Speed monitor

DIA3010-WRKG/IO/US

Connection



4: OUT / IO-Link