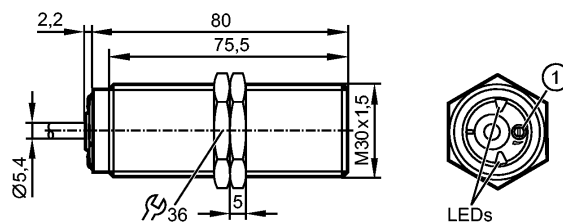


DI5026

DIA3010-WRKG/IO

Evaluation systems, power supplies



1: potentiometer



Product characteristics

Compact speed monitor M30
DIA
M30 x 1.5
Cable
Inductive sensor
Sensing range 10 mm [f]
flush mountable

Application

Application	simple evaluation of rotating and linear movement with regard to underspeed; blocking
Switching function	output is switched during the start-up delay and if (f actual) is greater than (f preset)
Electrical design	DC PNP/NPN
Switching output	normally open / closed programmable

Electrical data

Nominal voltage [V]	10...36 DC
Current consumption [mA]	< 22
Reverse polarity protection	yes
Protection class	III

Outputs

Transistor	
Current rating (continuous) [mA]	250
Current rating (peak) [mA]	250
Voltage drop [V]	< 2.5
Short-circuit proof	yes
Overload protection	yes

Monitoring range

Sensing range [mm]	10
Operating distance [mm]	0...8.1
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3

Measuring / setting range

Setting range [pulses/min.]	5...3600
Adjustment of the switch point	multiturn potentiometer or IO-Link
Hysteresis [% of Sp]	10
Start-up delay [s]	0...30

Reaction times

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Damping frequency (max.) [pulses/min]	18000
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Environment

Ambient temperature [°C]	-25...80
Protection	IP 65 / IP 67

Safety classification

MTTF [a]	656
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Mechanical data

Mounting	flush mountable
Housing materials	brass special coating; PA (polyamide); TPE-U
Weight [kg]	0.302

Displays / operating elements

Input pulses LED	yellow
Output status indication LED	green

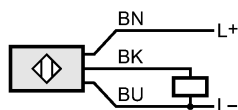
Electrical connection

Connection	PUR cable / 2 m; 3 x 0.5 mm ²
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Wiring

Core colors

BK	black
BN	brown
BU	blue



BK: OUT / IO-Link

Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity [piece]	1
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