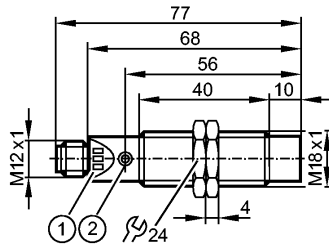


**DI6001**

DGA4012-WPKG/US

Evaluation systems, power supplies



1: 3 LED  
2: setting pushbutton



Product characteristics	
Compact speed monitor M18	
DGA	
M18 x 1	
Switching output and pulse output	
Inductive sensor	
Sensing range 12 mm [nf]	
non-flush mountable	
Application	
Application	Evaluation of rotating and linear movements for speed below the preset value, blockage
Switching function	output is switched during the start-up delay and if (f actual) is greater than (f preset) *
Electrical design	DC PNP
Switching output	normally open / closed programmable
Electrical data	
Nominal voltage [V]	10...36 DC **)
Current consumption [mA]	< 15
Reverse polarity protection	yes
Protection class	II
Outputs	
Transistor	
Current rating [mA]	250 / 15 ***)
Voltage drop [V]	< 2.5
Short-circuit protection	pulsed
Overload protection	yes
Range	
Sensing range [mm]	12
Correction factors	mild steel = 1 / stainless steel approx. 0.8 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3
Measuring / setting range	
Setting range [pulses/min.]	3...6000
Adjustment of the switch point	Teach function
Hysteresis [% of Sp]	10
Start-up delay [s]	0...15
Reaction times	

## DI6001

DGA4012-WPKG/US

Evaluation systems, power supplies

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

Ambient temperature [°C]	-20...80
Protection	IP 67

### Tests / approvals

EMC	EN 60947-5-2
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### Safety classification

MTTF [a]	1031
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### Mechanical data

Mounting	non-flush mountable
Housing materials	stainless steel 316Ti / 1.4571; PBT
Weight [kg]	0.065

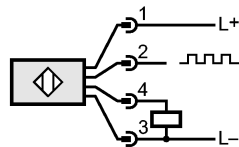
### Displays / operating elements

Operation LED	green
Input pulses LED	green
Output status indication LED	yellow

### Electrical connection

Connection	M12 connector; Gold-plated contacts
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#### Wiring



2: pulse output (the pulse sequence corresponds to the damping frequency)  
4: switching output (adjustable)

### Remarks

Remarks	<p>*) factory setting                  **) cULus - Class 2 source required                  ***) switching output / pulse output</p>
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Pack quantity [piece]	1
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