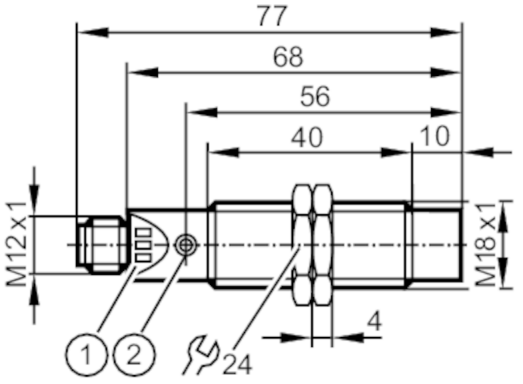
DI6001

Compact evaluation unit for speed monitoring

DGA4012-WPKG/US



1 LED 3 x
2 setting pushbutton

Product characteristics		
Electrical design		PNP
Output function		normally open / closed; (configurable)
Sensing range	[mm]	12
Housing		Threaded type
Dimensions	[mm]	M18 x 1 / L = 68
Application		
System		gold-plated contacts
Application		evaluation of rotating and linear movements with regard to underspeed; blocking
Electrical data		
Nominal voltage DC	[V]	10...36; (cULus - Class 2 source required)
Current consumption	[mA]	< 15
Protection class		II
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		normally open / closed; (configurable)
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250; (Pulse output: 15)
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes
Monitoring range		
Sensing range	[mm]	12
Sensing range adjustable		no

DI6001

Compact evaluation unit for speed monitoring

DGA4012-WPKG/US

Measuring/setting range			
Setting range	[Imp/min]	3...6000	
Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.8 / brass: 0.5 / aluminum: 0.4 / copper: 0.3	
Hysteresis	[% of Sr]	10	
Reaction times			
Start-up delay	[s]	0...15	
Max. damping frequency	[Imp/min]	18000	
Software / programming			
Adjustment of the switch point		Teach function	
Operating conditions			
Ambient temperature	[°C]	-20...80	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
MTTF	[years]	1031	
Mechanical data			
Weight	[g]	65.2	
Housing		Threaded type	
Mounting		non-flush mountable	
Dimensions	[mm]	M18 x 1 / L = 68	
Thread designation		M18 x 1	
Material		stainless steel (1.4571/316Ti); PBT	
Tightening torque	[Nm]	35	
Displays / operating elements			
Display		Switching status	1 x LED, yellow
		Power	1 x LED, green

Electrical connection

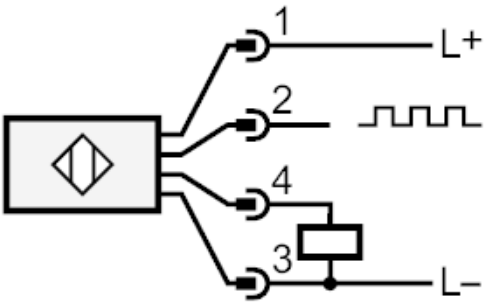
Connector: 1 x M12; Contacts: gold-plated

DI6001

Compact evaluation unit for speed monitoring

DGA4012-WPKG/US

Connection



2:	Pulse output pulse sequence corresponds to damping frequency
4:	Switching output adjustable