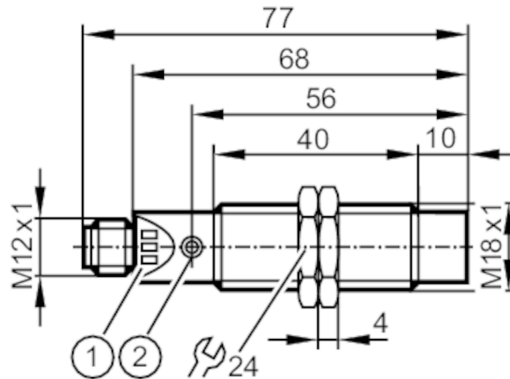




Compact evaluation unit for speed monitoring

DGA4012-WPKG/US



- 1 LED 3 x
- 2 setting pushbutton



Application

Application evaluation of rotating and linear movements with regard to underspeed; blocking

Electrical data

Nominal voltage DC	[V]	10...36; (operating voltage "supply class 2" according to cULus)
Current consumption	[mA]	< 15
Protection class		II
Reverse polarity protection		yes

Outputs

Electrical design		PNP
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; (Pulse output 15)
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	12
Sensing range adjustable		no

Measuring/setting range

Setting range	[Imp/min]	3...6000
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Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.8 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	10

Response times

Start-up delay	[s]	0...15
Max. damping frequency	[Imp/min]	18000

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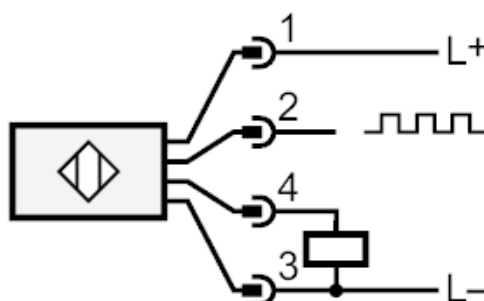
Software / programming		
Adjustment of the switch point	Teach function	
Operating conditions		
Ambient temperature	[°C]	-20...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
MTTF	[years]	1031
Mechanical data		
Weight	[g]	65.2
Mounting		non-flush mountable
Dimensions	[mm]	M18 x 1 / L = 68
Thread designation		M18 x 1
Materials		stainless steel (1.4571/316Ti) ; PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green

Electrical connection

Connector: 1 x M12; Contacts: gold-plated



Connection



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