



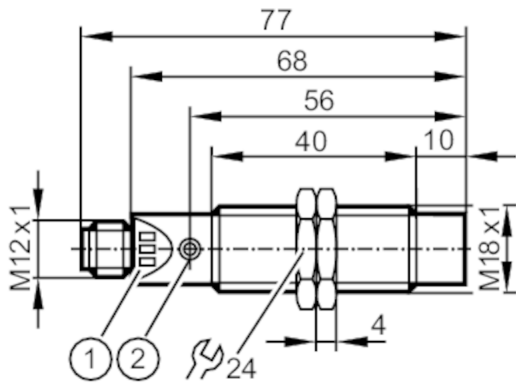
Compact evaluation unit for speed monitoring

DGA4012-WPKG/US

phase-out article
Discontinuation date: 03/31/2025

Alternative articles: DI6004 or DI6005
When selecting an alternative article and accessories please note that technical data may differ!

Please do not use for new projects.



- 1 LED 3 x
- 2 setting pushbutton



Product characteristics

Electrical design	PNP
Output function	normally open / normally closed; (parameterisable)
Sensing range [mm]	12
Housing	threaded type
Dimensions [mm]	M18 x 1 / L = 68

Application

Special feature	Gold-plated contacts
Application	evaluation of rotating and linear movements with regard to underspeed; blocking

Electrical data

Nominal voltage DC [V]	10...36
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



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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	
Measuring principle	inductive	
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	
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	
UL approval	power supply	Class 2
Mechanical data		
Weight [g]	67.5	
Housing	threaded type	
Mounting	non-flush mountable	
Dimensions [mm]	M18 x 1 / L = 68	
Thread designation	M18 x 1	
Materials	threaded sleeve: stainless steel (316Ti/1.4571); Sensing face: PBT	
Tightening torque [Nm]	35	
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
Remarks		
Pack quantity	1 pcs.	

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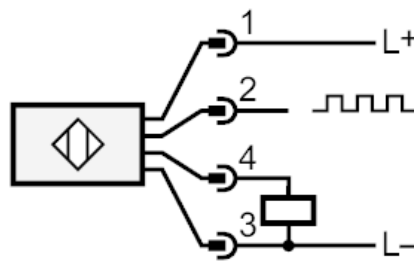
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Electrical connection

Connector: 1 x M12; coding: A; Contacts: gold-plated



Connection



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