DI601A

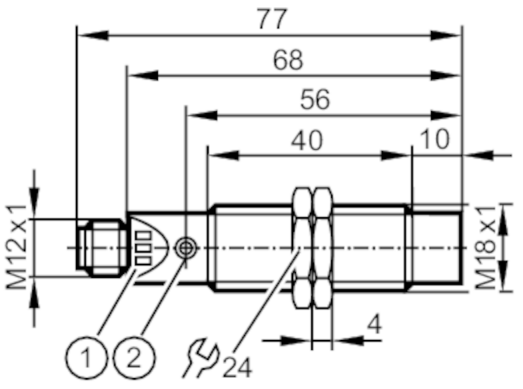
Compact evaluation unit for speed monitoring

DGA3012-WPKG/US/3D

Article no longer available - archive entry

Alternative articles: DI602A

When selecting an alternative article and accessories please note that technical data may differ!



1 LED 3 x
2 setting pushbutton

CE

Product characteristics		
Electrical design		PNP
Output function		normally open / normally closed; (parameterisable)
Sensing range	[mm]	12
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]	150; (when used outside the hazardous area: 250; Pulse output: 15)
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

DI601A

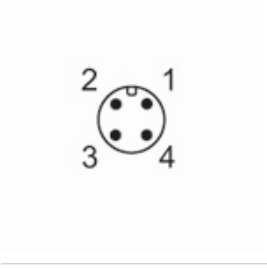
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Detection zone			
Sensing range	[mm]	12	
Sensing range adjustable		no	
Measuring/setting range			
Setting range	[Imp/min]	3...6000	
Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 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...50	
Note on ambient temperature		when used outside the hazardous area: -20...60 °C	
Protection		IP 67	
Tests / approvals			
ATEX marking		II 3D Ex tD A22 IP67 T 80°C X ***)	
EMC		EN 60947-5-2	
Mechanical data			
Weight	[g]	0.171	
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
Accessories			
Items supplied		Impact protection housing	
		lock nuts: 2	

Electrical connection

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

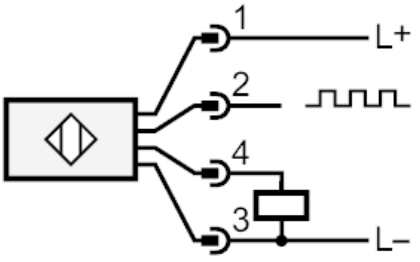


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Connection



1: L+
2: Pulse output pulse sequence corresponds to damping frequency
3: L-
4: switching output adjustable