IG6056

Inductive sensor

IGK3012UBPKG/K1/SC/US-104-DPS

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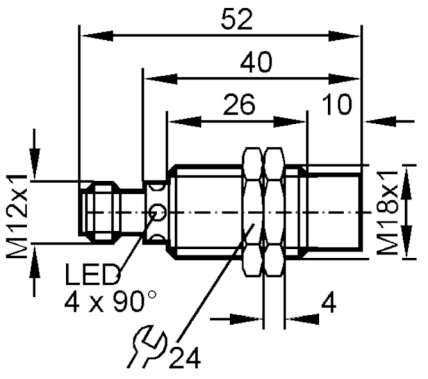

CE

Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	12
Housing		Threaded type
Dimensions	[mm]	M18 x 1
Application		
System		correction factor = 1; Magnetic-field immune
Magnetic-field immune		yes
Electrical data		
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	15; (24 V)
Protection class		II
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	1.8
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	2000
Short-circuit protection		yes

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Type of short-circuit protection		yes (non-latching)	
Overload protection		yes	
Monitoring range			
Sensing range	[mm]	12	
Real sensing range Sr	[mm]	12 ± 10 %	
Operating distance	[mm]	0...9.7	
Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 1.1 / brass: 1.1 / aluminum: 1.1 / copper: 1.1	
Hysteresis	[% of Sr]	3...15	
Switch-point drift	[% of Sr]	-10...10	
Correction factor = 1		yes	
Operating conditions			
Ambient temperature	[°C]	-25...70	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
Mechanical data			
Housing		Threaded type	
Mounting		non-flush mountable	
Dimensions	[mm]	M18 x 1	
Thread designation		M18 x 1	
Material		brass PTFE coated; PA 12-GF30; sensing face: PTFE coated	
Displays / operating elements			
Display		Switching status	1 x LED, yellow
Accessories			
Items supplied		lock nuts: 2	
Remarks			
Pack quantity		1 pcs.	
Electrical connection - plug			

Connector: 1 x M12; coding: A

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Connection