II5826

Inductive sensor

IIB2022-AROG/UP/2LED/2M/XS

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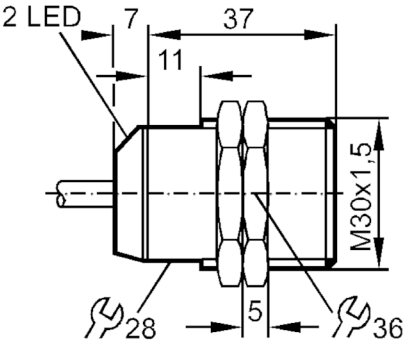

CE

Product characteristics		
Electrical design		PNP/NPN
Output function		normally open
Sensing range	[mm]	22
Housing		threaded type
Dimensions	[mm]	M30 x 1.5
Application		
Special feature		Increased sensing range; Optical setting aid
Electrical data		
Operating voltage	[V]	10...36 DC
Protection class		II
Reverse polarity protection		no
Outputs		
Electrical design		PNP/NPN
Output function		normally open
Max. voltage drop switching output DC	[V]	5
Minimum load current	[mA]	5
Max. leakage current	[mA]	1
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	100
Short-circuit protection		no

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Overload protection		no	
Detection zone			
Sensing range	[mm]	22	
Operating distance	[mm]	0...17.6	
Increased sensing range		yes	
Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3	
Hysteresis	[% of Sr]	3...15	
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		flush mountable	
Dimensions	[mm]	M30 x 1.5	
Thread designation		M30 x 1.5	
Materials		brass white bronze coated; PC	
Displays / operating elements			
Display		switching status	1 x LED, red
		setting aid	1 x LED, green
Optical setting aid		yes	
Accessories			
Items supplied		lock nuts: 2	
Remarks			
Pack quantity		1 pcs.	

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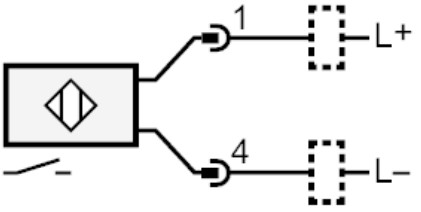
Electrical connection

Cable: 3 m, PVC; suited for robots and drag chains; 2 x 0.3 mm²

Connection



	Core colours :
BK =	black