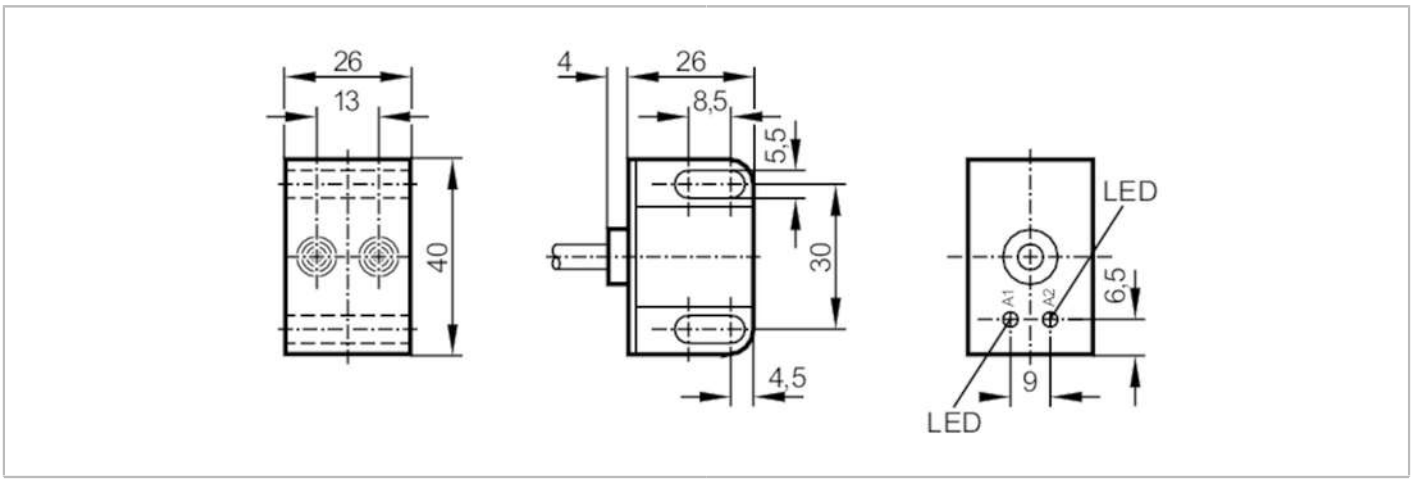
IN5251

Inductive dual sensor for valve actuators

IND3004DBPKG



Product characteristics		
Electrical design		PNP
Output function		2 x normally open
Sensing range	[mm]	4
Housing		rectangular
Dimensions	[mm]	40 x 26 x 26
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		2 x normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	1300
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	4
Real sensing range Sr	[mm]	4 ± 10 %
Operating distance	[mm]	0...3.25
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...15

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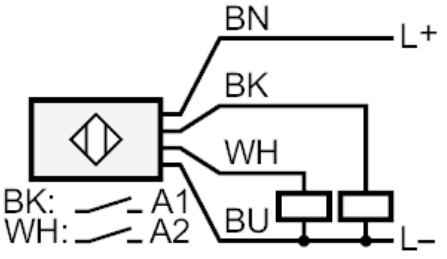
Switch point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature	[°C]	-25...80	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
MTTF	[years]	1064	
Mechanical data			
Weight	[g]	135.5	
Housing		rectangular	
Mounting		non-flush mountable	
Dimensions	[mm]	40 x 26 x 26	
Materials		PBT; PC	
Displays / operating elements			
Display		switching status	2 x LED, yellow
Remarks			
Pack quantity		1 pcs.	
Electrical connection			

Cable: 2 m, PVC; 4 x 0.34 mm²

Connection



	Core colours :
BN =	brown
BU =	blue
BK =	black
WH =	white