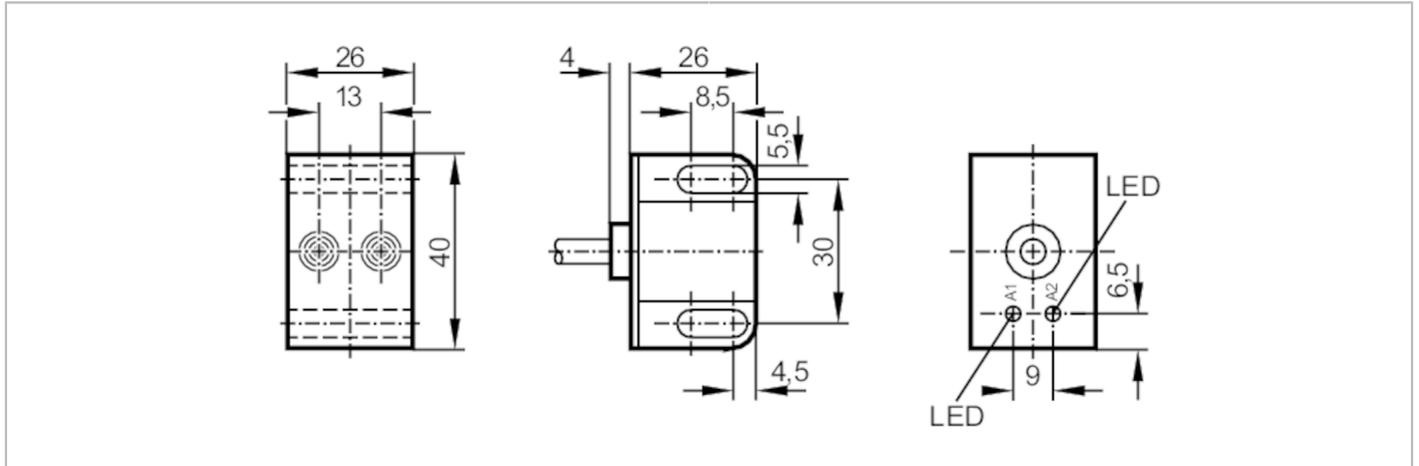


# IN5251



## Dual inductive 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

### Application

Application		Position sensor for valve actuators
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### 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		yes (non-latching)
Overload protection		yes

### Monitoring range

Sensing range	[mm]	4
Real sensing range Sr	[mm]	4 ± 10 %
Operating distance	[mm]	0...3.25

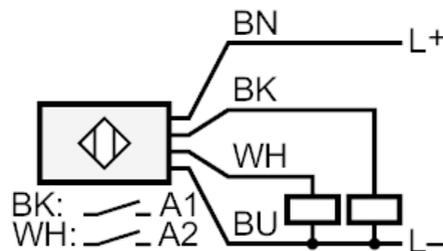
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Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3	
Hysteresis [% of Sr]	1...15	
Switch-point drift [% of Sr]	-10...10	
Operating conditions		
Ambient temperature [°C]	-25...80	
Protection	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	
Material	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 mm <sup>2</sup>		
Connection		



Core colors :

BN = brown  
BU = blue  
BK = black  
WH = white