

IN5251



Inductive dual sensor for valve actuators

IND3004DBPKG



Electrical data

Operating voltage	[V]	10...36 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]	250
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
Switch point drift	[% of Sr]	-10...10

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

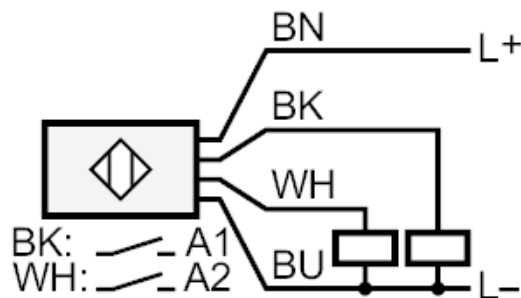
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Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	1057
Mechanical data		
Weight	[g]	134.8
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	40 x 26 x 26
Materials		PBT; PC
Displays / operating elements		
Display	switching status	2 x LED, yellow
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PVC; 4 x 0.34 mm ²		
Connection		



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