

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...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

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Switch point drift	[% of Sr]	-10...10
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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
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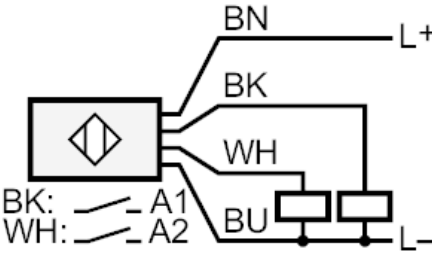
Remarks

Pack quantity		1 pcs.
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Electrical connection

Cable: 2 m, PVC; 4 x 0.34 mm²

Connection



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