

IN5290



Inductive dual sensor for valve actuators

IND2004DARKG



Product characteristics	
Electrical design	PNP/NPN
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
Protection class	II
Reverse polarity protection	yes
Outputs	
Electrical design	PNP/NPN
Output function	2 x normally open
Max. voltage drop switching output DC [V]	4.6
Minimum load current [mA]	4
Max. leakage current [mA]	2 x 0.8
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	1400
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

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Hysteresis	[% of Sr]	3...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]	1229

Mechanical data

Weight	[g]	137.5
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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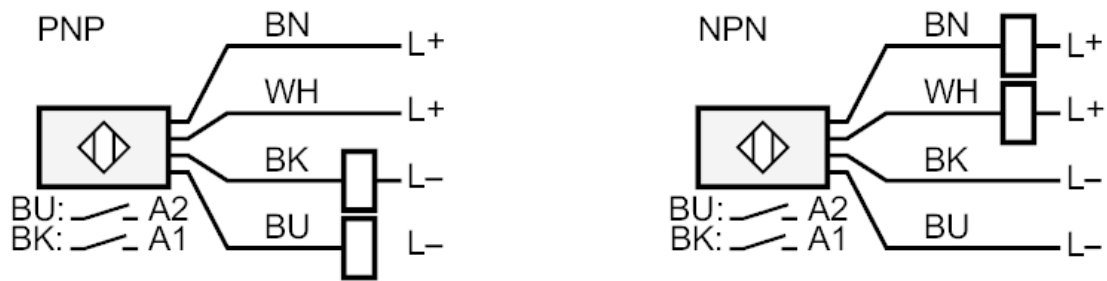
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PVC; 4 x 0.34 mm²

Connection



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