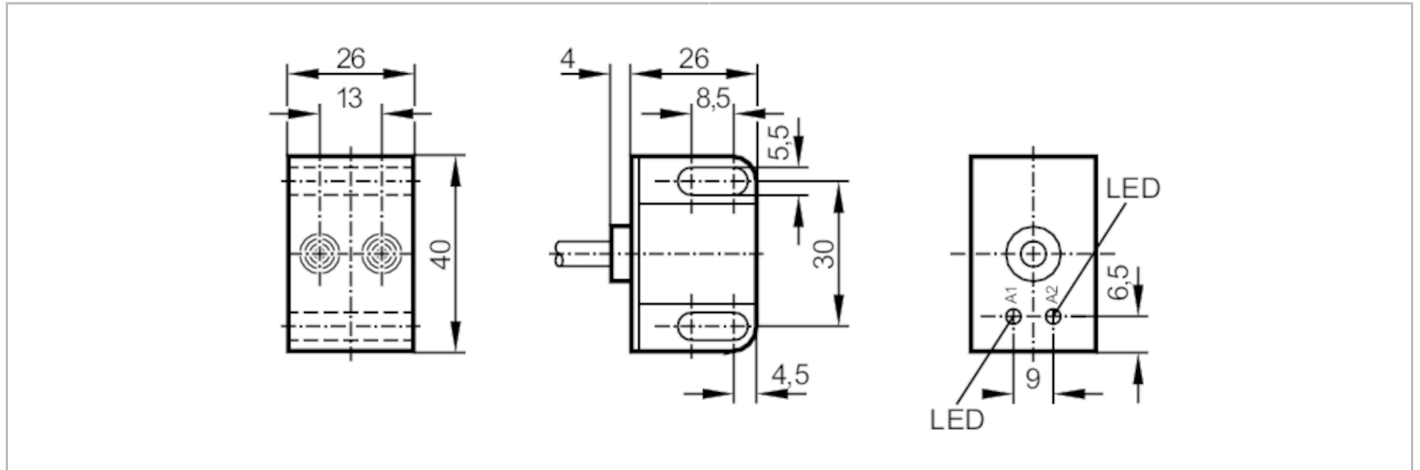


IN5290



Inductive dual sensor for valve actuators

IND2004DARKG



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 S_r	[mm]	$4 \pm 10\%$
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 S_r]	3...15
Switch point drift	[% of S_r]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67

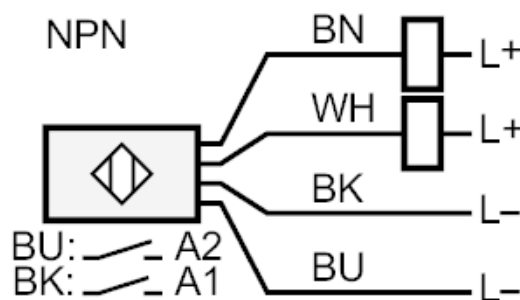
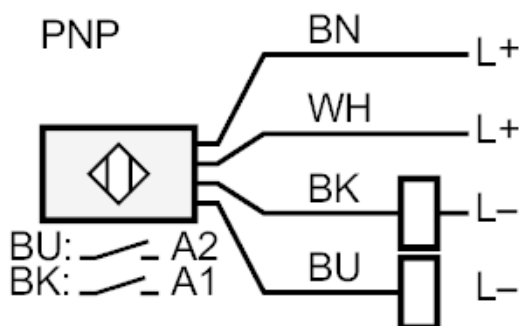
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Inductive dual sensor for valve actuators

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Tests / approvals		
EMC	EN 60947-5-2 EN 55011	class B
MTTF [years]	1229	
Mechanical data		
Weight [g]	136.2	
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 :

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