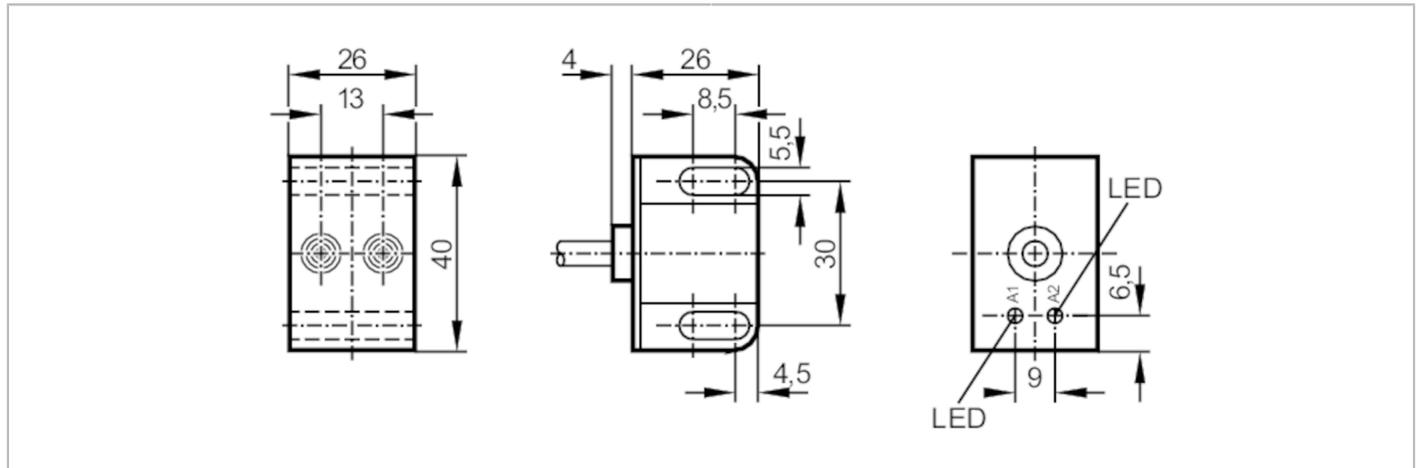


# IN5377



## Dual inductive sensor for valve actuators

IND3004UBPKG/0,3m/US-100-DPV



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	
System	Magnetic-field immune
Application	Position sensor for valve actuators
Magnetic-field immune	yes
Electrical data	
Operating voltage [V]	10...36 DC
Current consumption [mA]	< 15
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]	1400
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 %

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Operating distance	[mm]	0...3.25
<b>Accuracy / deviations</b>		
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
<b>Operating conditions</b>		
Ambient temperature	[°C]	-25...80
Protection		IP 67
<b>Tests / approvals</b>		
EMC		EN 60947-5-2
MTTF	[years]	1070
<b>Mechanical data</b>		
Weight	[g]	74.5
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	40 x 26 x 26
Material		PC
<b>Displays / operating elements</b>		
Display	Switching status	2 x LED, yellow
<b>Remarks</b>		
Pack quantity		1 pcs.
<b>Electrical connection - plug</b>		
Cable: 0.3 m, PVC; 4 x 0.34 mm <sup>2</sup>		
Connector: 1 x M12; coding: A		
		

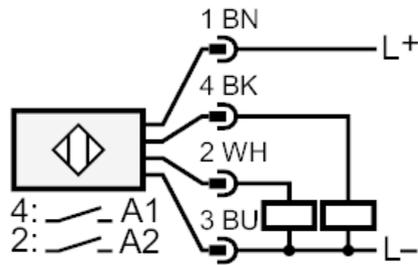
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### Connection



Core colors :

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