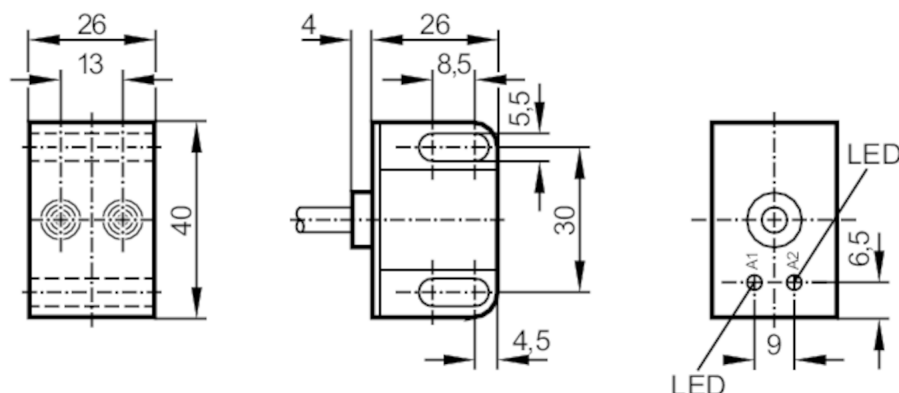




Inductive dual sensor for valve actuators

IND3004DBPKG/0,3M/US-100-DPV

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Product characteristics

Electrical design	PNP
Output function	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]	3; (36 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
Short-time current rating of switching output [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 S_r [mm]	$4 \pm 10 \%$
Operating distance [mm]	0...3.25



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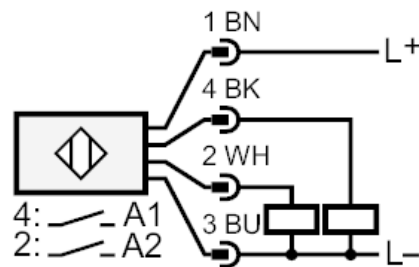
Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3	
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection	IP 67	
Tests / approvals		
EMC	IEC 801/2 ESD	4 kV CD / 8 kV AD
	IEC 801/3 HF	10 V/m
	IEC 801/4 Burst	2 kV
Mechanical data		
Housing	rectangular	
Mounting	non-flush mountable	
Dimensions	[mm]	40 x 26 x 26
Materials	PBT	
Displays / operating elements		
Display	switching status	2 x LED, yellow
Remarks		
Pack quantity	1 pcs.	
Electrical connection - plug		
Cable: 0.3 m, PVC; 4 x 0.34 mm²		
Connector: 1 x M12; coding: A		
		



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Connection



Core colours :

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