

IN5424



Inductive dual sensor for valve actuators

IND3004UBPKG/2M/US-100-DPV



Application

Magnetic-field immune	yes
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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	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	4
Real sensing range Sr [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 Sr]	1...15
Switch point drift [% of Sr]	-10...10

Operating conditions

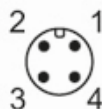
Ambient temperature [°C]	-25...80
Protection	IP 67

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Tests / approvals		
EMC	EN 60947-5-2	
MTTF	[years]	1070
Mechanical data		
Weight	[g]	144
Housing	rectangular	
Mounting	non-flush mountable	
Dimensions	[mm]	40 x 26 x 26
Materials	PC	
Displays / operating elements		
Display	switching status	2 x LED, yellow
Electrical connection		
Connection	plug	
Remarks		
Pack quantity	1 pcs.	
Electrical connection - plug		
Cable: 2 m, PVC; 4 x 0.34 mm²		
Connector: 1 x M12		
		

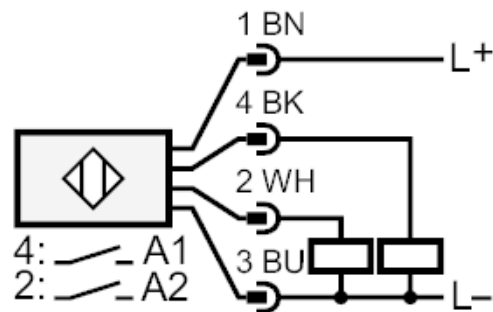
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Connection



Core colours :

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