

IN5424



Inductive dual sensor for valve actuators

IND3004UBPKG/2M/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		
Special feature		Magnetic-field immune
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		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	4
Real sensing range Sr	[mm]	4 ± 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		EN 60947-5-2	
MTTF		[years]	1070
Mechanical data			
Weight		[g]	145
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
Remarks			
Pack quantity		1 pcs.	
Electrical connection - plug			
Cable: 2 m, PVC; 4 x 0.34 mm²			
Connector: 1 x M12; coding: A			
			

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Connection



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