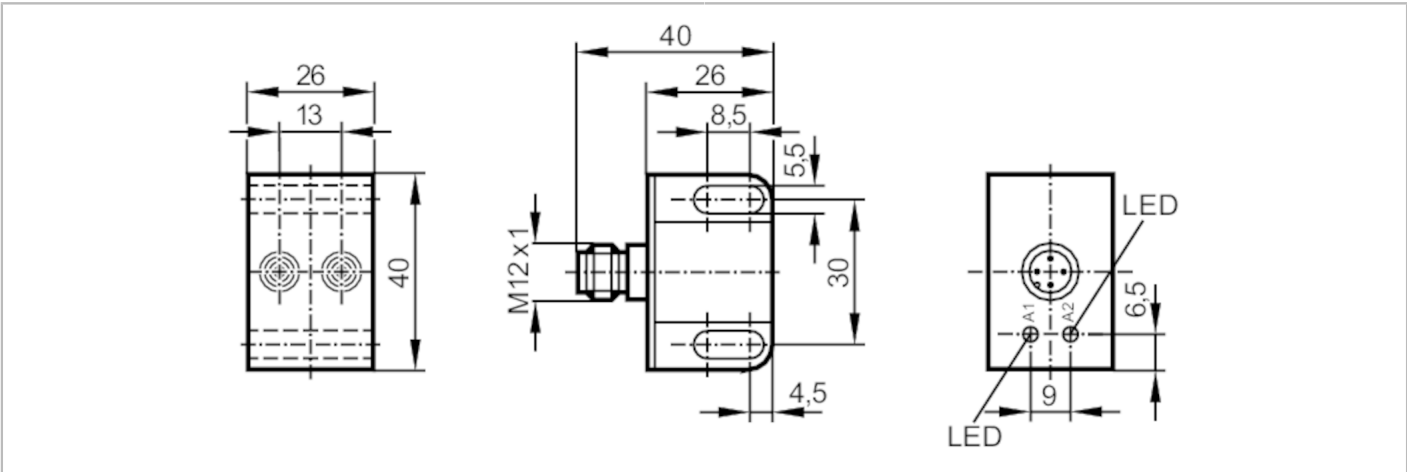


IN5225



Dual inductive sensor for valve actuators

IND3004DBPKG/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		gold-plated contacts
Application		Position sensor for valve actuators
Electrical data		
Operating voltage	[V]	10...30 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]	200
Switching frequency DC	[Hz]	1300
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 %
Operating distance	[mm]	0...3.25



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Accuracy / deviations				
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2		
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		
		EN 55011	class B	
MTTF		[years]	1064	
UL approval		Ta		0...40 °C
		Enclosure type		Type 1
		File number UL		E174191
Mechanical data				
Weight		[g]	40	
Housing			rectangular	
Mounting			non-flush mountable	
Dimensions		[mm]	40 x 26 x 26	
Material			PBT	
Tightening torque		[Nm]	0.6...1.5; (knurled nut)	
Displays / operating elements				
Display		Switching status	2 x LED, yellow	
Remarks				
Pack quantity			1 pcs.	
Electrical connection - plug				
Connector: 1 x M12; coding: A; Contacts: gold-plated				
				

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Connection

