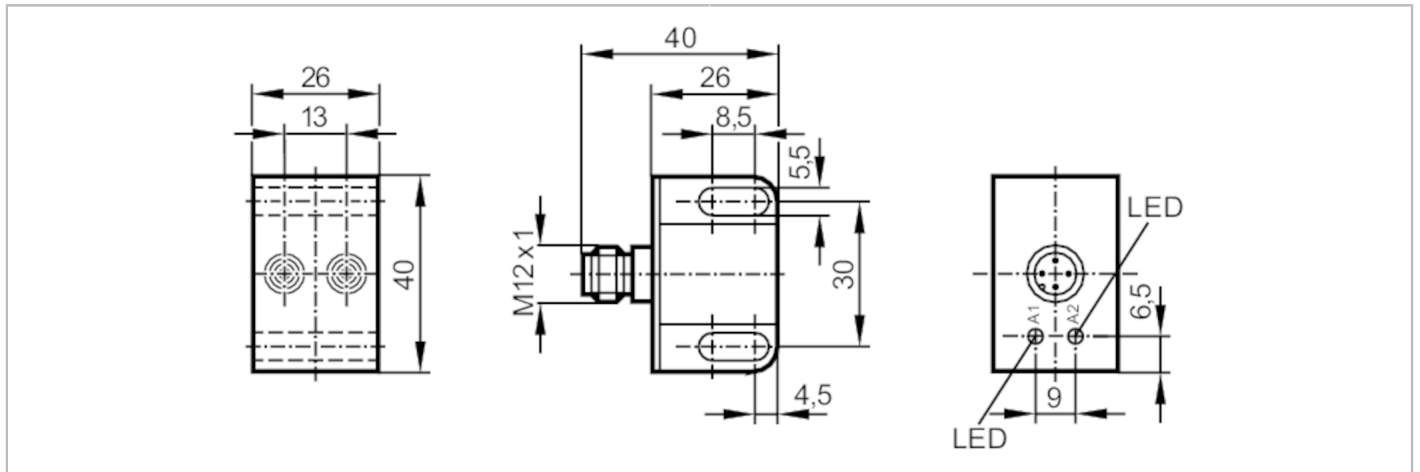


# IN5224



## Inductive dual sensor for valve actuators

IND2004DARKG/US-100-ZRV



### Product characteristics

Electrical design		PNP/NPN
Output function		2 x normally open
Sensing range	[mm]	4
Housing		rectangular
Dimensions	[mm]	40 x 26 x 26

### Application

Special feature		Gold-plated contacts
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### Electrical data

Operating voltage	[V]	10...36 DC
Protection class		II
Reverse polarity protection		yes

### Outputs

Electrical design		PNP/NPN
Output function		2 x normally open
Max. voltage drop switching output DC	[V]	4
Minimum load current	[mA]	4
Max. leakage current	[mA]	2 x 0.7
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	1300
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

### Detection zone

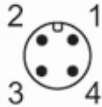
Sensing range	[mm]	4
Real sensing range Sr	[mm]	4 ± 10 %
Operating distance	[mm]	0...3.25

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Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis [% of Sr]	1...15	
Switch point drift [% of Sr]	-10...10	
Operating conditions		
Ambient temperature [°C]	-20...80	
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]	1229	
Mechanical data		
Weight [g]	40.5	
Housing	rectangular	
Mounting	non-flush mountable	
Dimensions [mm]	40 x 26 x 26	
Materials	PBT; PC	
Tightening torque [Nm]	0.6...1.5; (Lock nut)	
Displays / operating elements		
Display	switching status	2 x LED, yellow
Remarks		
Pack quantity	1 pcs.	
Electrical connection - plug		
Connector: 1 x M12; Contacts: gold-plated		
		

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