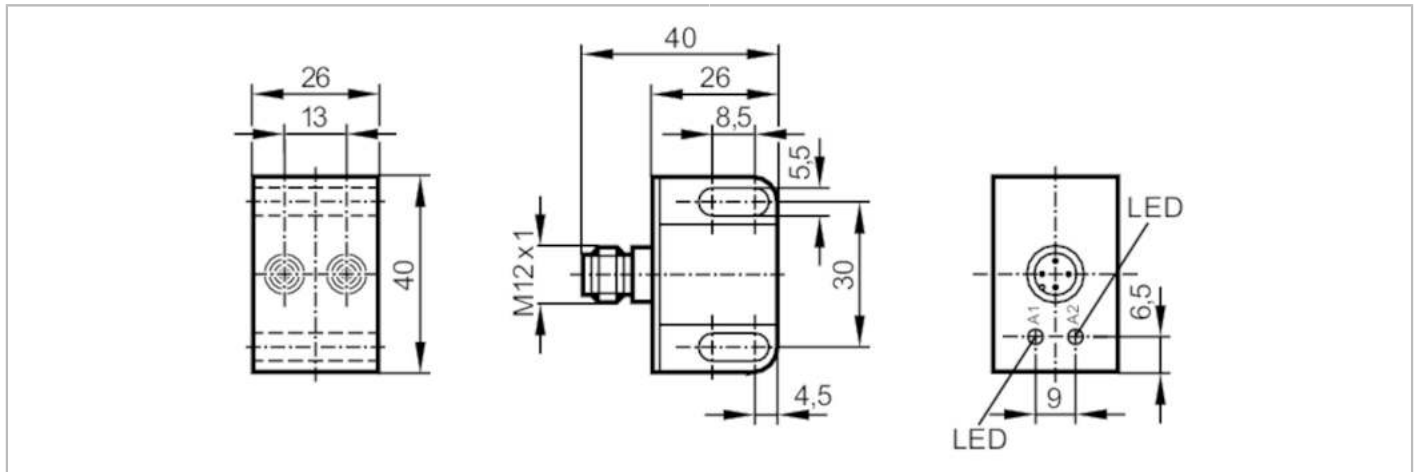


IN5225



Inductive dual 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

Special feature		Gold-plated contacts
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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]	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]	-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
	power supply	Hazardous voltage
	File number UL	E174191

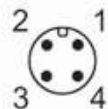
Mechanical data	
Weight [g]	40
Housing	rectangular
Mounting	non-flush mountable
Dimensions [mm]	40 x 26 x 26
Materials	PBT
Tightening torque [Nm]	0.6...1.5; (Lock nut)

Displays / operating elements	
Display	switching status 2 x LED, yellow

Remarks	
Pack quantity	1 pcs.

Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: gold-plated



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Connection

