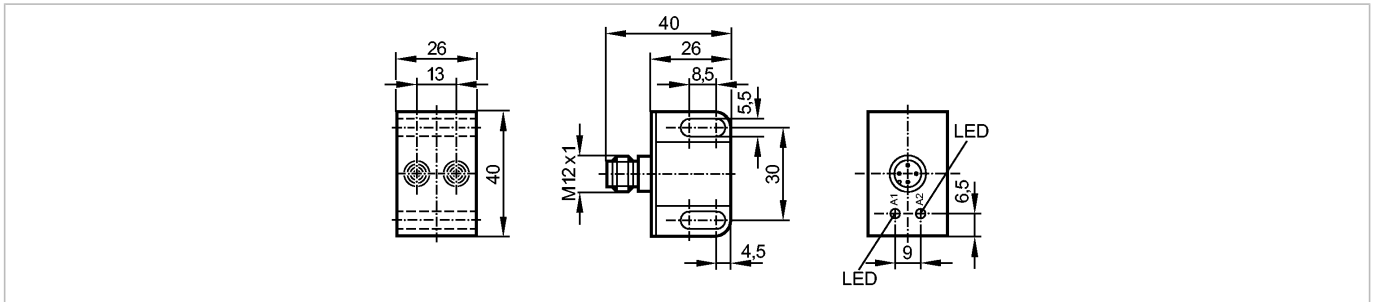


IN5225

IND3004DBPKG/US-100-DPV

Valve sensors



Product characteristics

Inductive sensor	
Rectangular, plastics	
Quick disconnect	
Sensing range 4 mm; [nf] non-flush mountable	

Electrical data

Electrical design		DC PNP
Operating voltage [V]		10...36 DC
Current consumption [mA]		15
Protection class		II
Reverse polarity protection		yes

Outputs

Output function		2 x normally open
Voltage drop [V]		< 2.5
Current rating [mA]		250
Short-circuit protection		yes (non-latching)
Overload protection		yes
Switching frequency [Hz]		1300

Monitoring range

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

Accuracy / deviations

Correction factors		mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2
Hysteresis [% of Sr]		1...15
Switch-point drift [% of Sr]		-10...10

Environment

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

Tests / approvals

EMC		EN 60947-5-2 EN 55011: class B
MTTF [Years]		1057

Mechanical data

Mounting		non-flush mountable
Housing materials		PBT

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Valve sensors

Tightening torque	[Nm]	0.6...1.5 (knurled nut)
Weight	[kg]	0.04

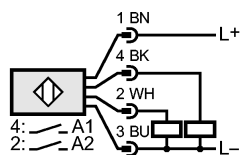
Displays / operating elements

Output status indication	LED	2 x yellow
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Electrical connection

Connection	M12 connector; gold-plated contacts
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Wiring



Remarks

Pack quantity	[piece]	1
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