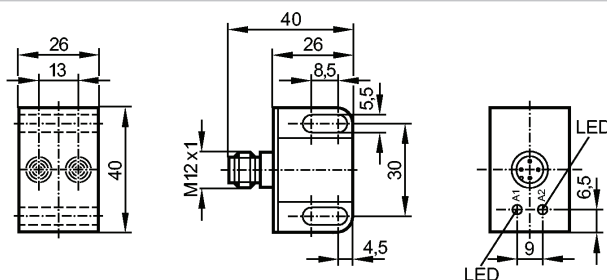


IN5225

IND3004DBPKG/US-100-DPV

Valve sensors



Product characteristics

Inductive sensor

Rectangular, plastics

Connector

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	pulsed
Overload protection	yes
Switching frequency [Hz]	1300

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 / Al approx. 0.3 / Cu 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

IN5225

IND3004DBPKG/US-100-DPV

Valve sensors

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

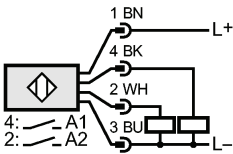
Displays / operating elements

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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