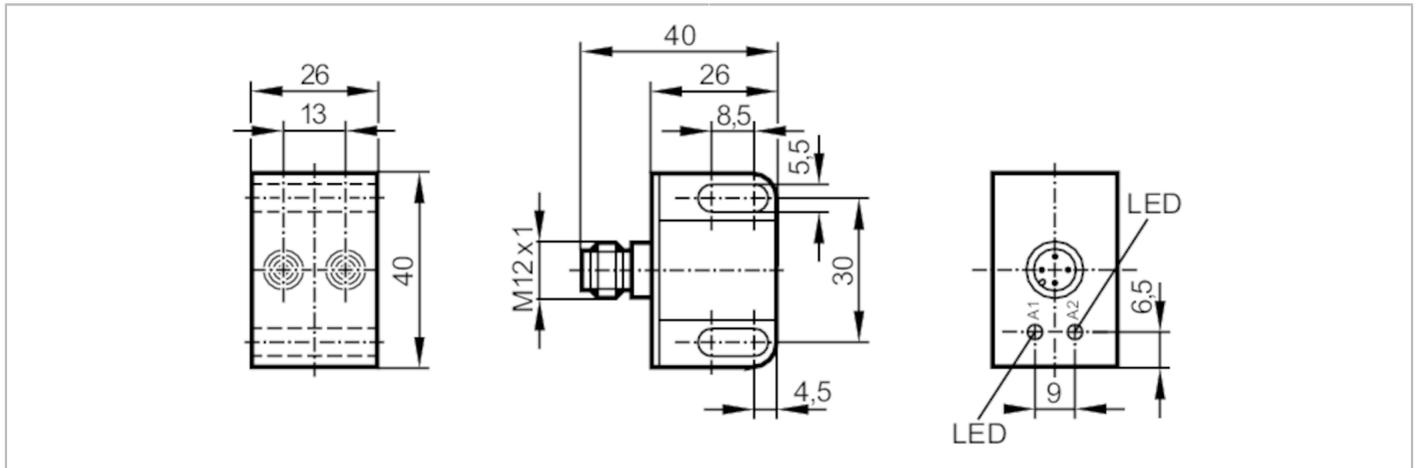


IN5373



Dual inductive sensor for valve actuators

IND3007DBPKG/US-100-DPV



Product characteristics

Electrical design		PNP
Output function		2 x normally open
Sensing range	[mm]	7
Housing		rectangular
Dimensions	[mm]	40 x 26 x 26

Application

Application		Position sensor for valve actuators
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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]	800
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes

Monitoring range

Sensing range	[mm]	7
Real sensing range Sr	[mm]	7 ± 10 %
Operating distance	[mm]	0...5.7

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Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	3...15
Switch-point drift	[% of Sr]	-10...10

Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 67

Tests / approvals		
EMC		EN 60947-5-2
		EN 55011 class B
MTTF	[years]	1064

Mechanical data		
Weight	[g]	40.5
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	40 x 26 x 26
Material		PC
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



Connection

