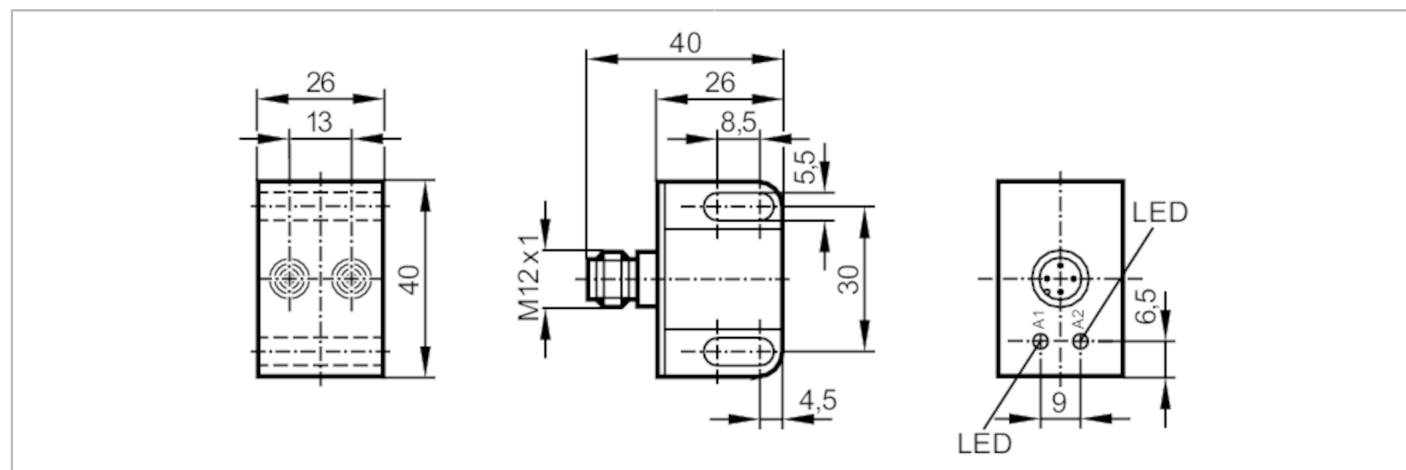


IN5414



Inductive dual sensor for valve actuators

IND3004DANKG/US-100-DNV



Product characteristics

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

Electrical data

Operating voltage [V]		10...36 DC
Rated insulation voltage [V]		250
Current consumption [mA]		< 30
Protection class		II
Reverse polarity protection		yes

Outputs

Electrical design		NPN
Output function		2 x normally open
Max. voltage drop switching output DC [V]		2.5
Max. leakage current [mA]		0.5
Permanent current rating of switching output DC [mA]		250
Short-time current rating of switching output [mA]		250
Switching frequency DC [Hz]		1000
Short-circuit protection		yes
Overload protection		yes

Detection zone

Sensing range [mm]		4
Real sensing range Sr [mm]		4 ± 10 %
Operating distance [mm]		0...3.24



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Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis	[X01]	1...15
Switch point drift	[X01]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
MTTF	[ANN]	915
Mechanical data		
Weight	[g]	40.2
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	40 x 26 x 26
Materials		housing: PBT; cover: 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; coding: A		



Connection

