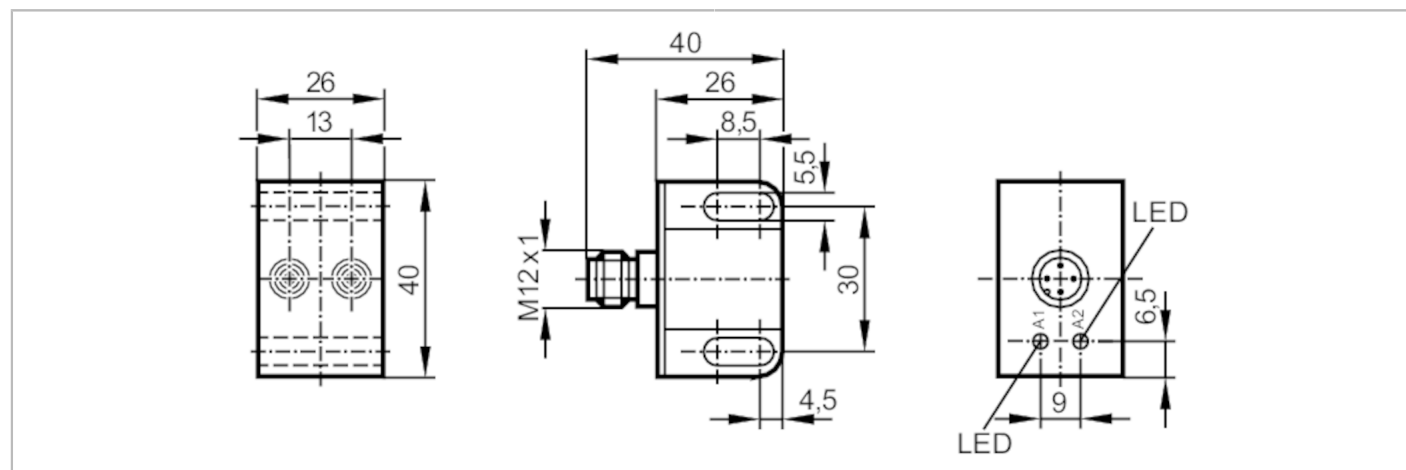


IN5414



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	[% 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	
MTTF	[years]	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		

Connector: 1 x M12; coding: A



Connection

