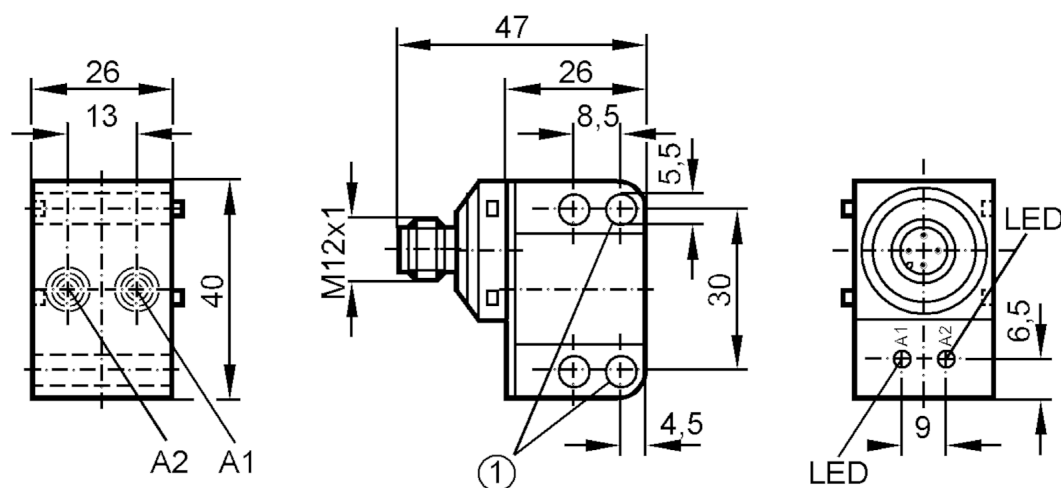


IN5345



Inductive dual sensor for valve actuators

IND3004DBPKG/US-100-DPV



1 blind hole Depth 24 mm



Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (36 V)
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]	1200
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	4
Real sensing range S_r	[mm]	$4 \pm 10 \%$
Operating distance	[mm]	0...3.25



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Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3	
Hysteresis	[% of Sr]	3...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	
		EN 55011	
MTTF		[years]	1057
Mechanical data			
Weight		[g]	56.2
Housing			rectangular
Mounting			non-flush mountable
Materials			PC; connector housing: stainless steel (1.4305 / 303)
Displays / operating elements			
Display		switching status	2 x LED, yellow
Remarks			
Pack quantity			1 pcs.
Electrical connection - plug			

Connector: 1 x M12



Connection

