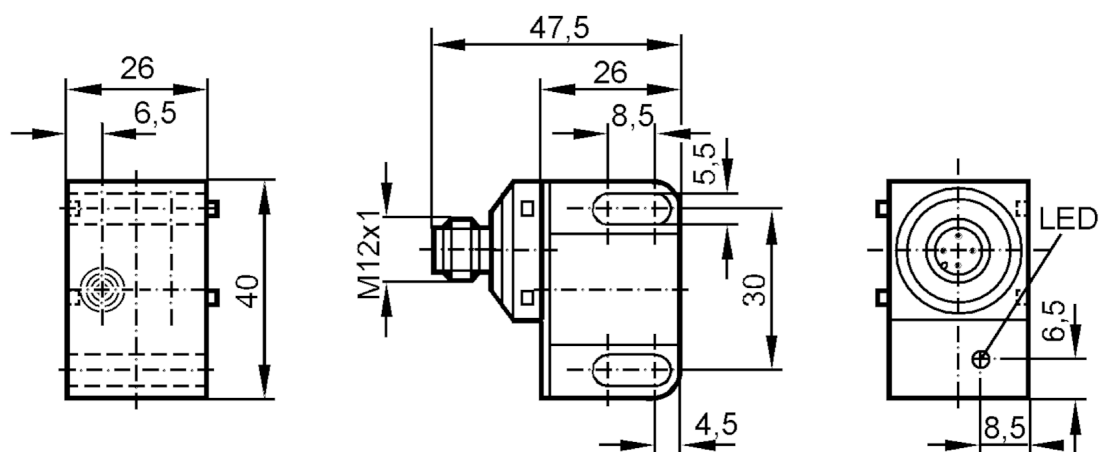




Inductive dual sensor for valve actuators

IND3004-BPKG/US-100-KPS/A2



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		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	1300
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: 0.4 / 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		
		EN 55011		class B
MTTF		[years]	1928	
Mechanical data				
Weight		[g]	54.4	
Housing			rectangular	
Mounting			non-flush mountable	
Materials			housing: PBT; connector housing: stainless steel (1.4305 / 303)	
Displays / operating elements				
Display			switching status	1 x LED, yellow
Remarks				
Pack quantity			1 pcs.	
Electrical connection - plug				

Connector: 1 x M12



Connection

