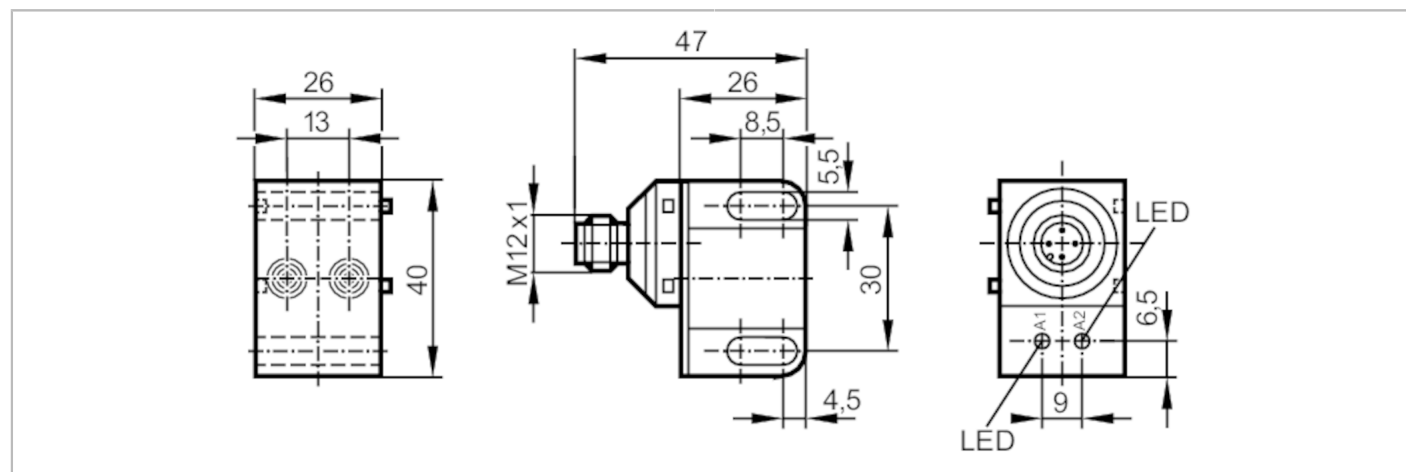




Inductive dual sensor for valve actuators

IND2004DARKG/US-100-ZRV RT



Electrical data

Operating voltage	[V]	10...36 DC
Protection class		II
Reverse polarity protection		yes

Outputs

Electrical design		PNP/NPN
Output function		2 x normally open
Max. voltage drop switching output DC	[V]	4
Minimum load current	[mA]	4
Max. leakage current	[mA]	2 x 0.7
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	250
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

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / aluminium: 0.3 / copper: 0.4
Hysteresis	[% of S_r]	3...15
Switch point drift	[% of S_r]	-10...10

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

IN5331



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Tests / approvals		
EMC	EN 60947-5-2	
MTTF	[years]	1229
Mechanical data		
Weight	[g]	58.2
Housing	rectangular	
Mounting	non-flush mountable	
Dimensions	[mm]	40 x 26 x 47
Materials	housing: PBT; cover: PC; plug: brass white bronze coated	
Displays / operating elements		
Display	switching status	2 x LED, red
Remarks		
Pack quantity	1 pcs.	

Electrical connection - plug

Connector: 1 x M12



Connection

