

IN512A



Dual inductive sensor for valve actuators

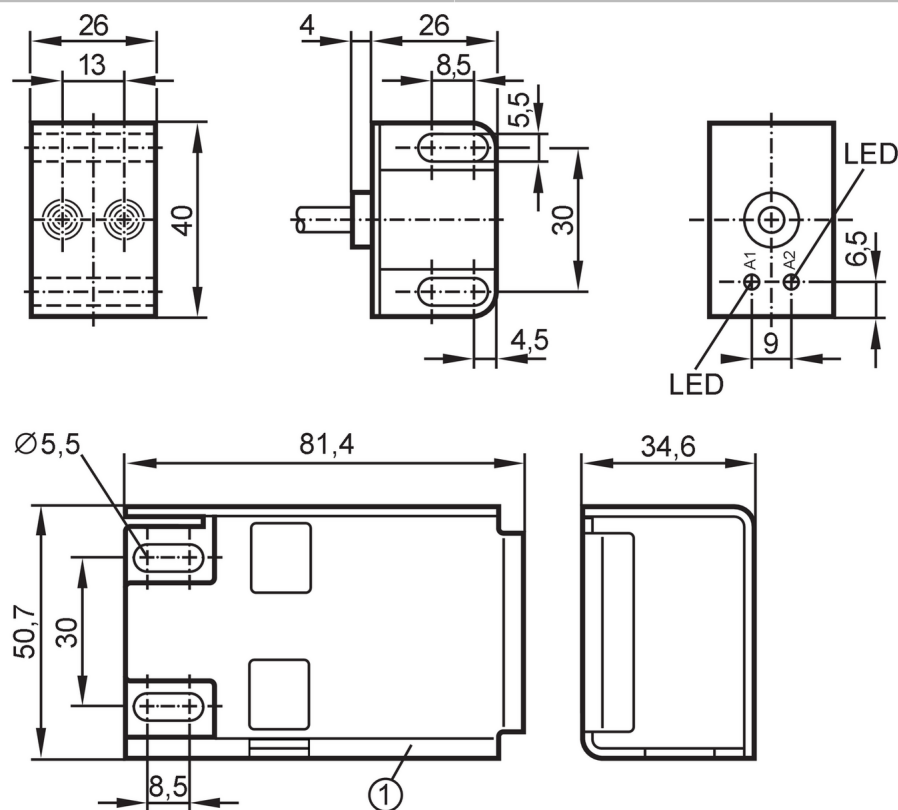
IND3004DBPKG/3D

Article to be discontinued

Discontinuation date: 03/31/2026

Alternative articles: IN507A

When selecting an alternative article and accessories please note that technical data may differ!



1 impact protection housing wall thickness 2 mm



Product characteristics

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

Application

Application	For applications in hazardous areas
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Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	< 15
Protection class	III
Reverse polarity protection	yes

Outputs

Electrical design	PNP
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Output function		2 x normally open	
Max. voltage drop switching output DC	[V]	2.5	
Permanent current rating of switching output DC	[mA]	100	
Short-time current rating of switching output	[mA]	100	
Switching frequency DC	[Hz]	1300	
Short-circuit protection		yes	
Type of short-circuit protection		yes (non-latching)	
Overload protection		yes	
Monitoring range			
Sensing range	[mm]	4	
Operating distance target puck	[mm]	1	
Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3	
Hysteresis	[% of Sr]	1...15	
Switch-point drift	[% of Sr]	-10...10	
Operating conditions			
Ambient temperature	[°C]	-20...60	
Protection		IP 67	
Tests / approvals			
ATEX marking		 II 3D Ex tc IIIC T80°C Dc IP67 X	
Note on ATEX marking		only in conjunction with the impact protective housing	
EMC		EN 60947-5-2	
MTTF	[years]	1064	
Mechanical data			
Weight	[g]	347.5	
Housing		rectangular	
Dimensions	[mm]	40 x 26 x 26	
Material		housing: PBT; cover: PC; impact protection housing: stainless steel	
Displays / operating elements			
Display		Switching status	2 x LED, yellow
Accessories			
Items supplied		socket head screws: 2 x (M5 x 35 mm)	
		impact protection housing	
		Mounting plate: 1	
Remarks			
Pack quantity		1 pcs.	

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Electrical connection

Cable: 2 m, PVC; 4 x 0.34 mm²

Connection

