

IN512A



Dual inductive sensor for valve actuators

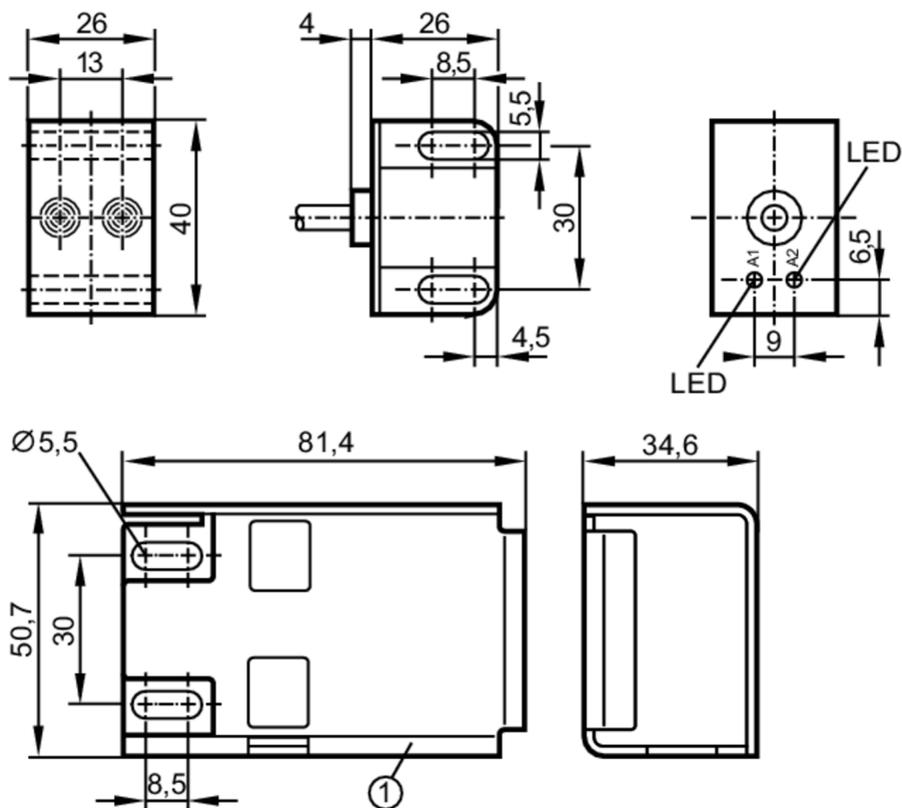
IND3004DBPKG/3D

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

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
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Accessories

Items supplied		socket head screws: 2 x (M5 x 35 mm) impact protection housing Mounting plate: 1
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Remarks

Pack quantity		1 pcs.
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Electrical connection

Cable: 2 m, PVC; 4 x 0.34 mm²

Connection

