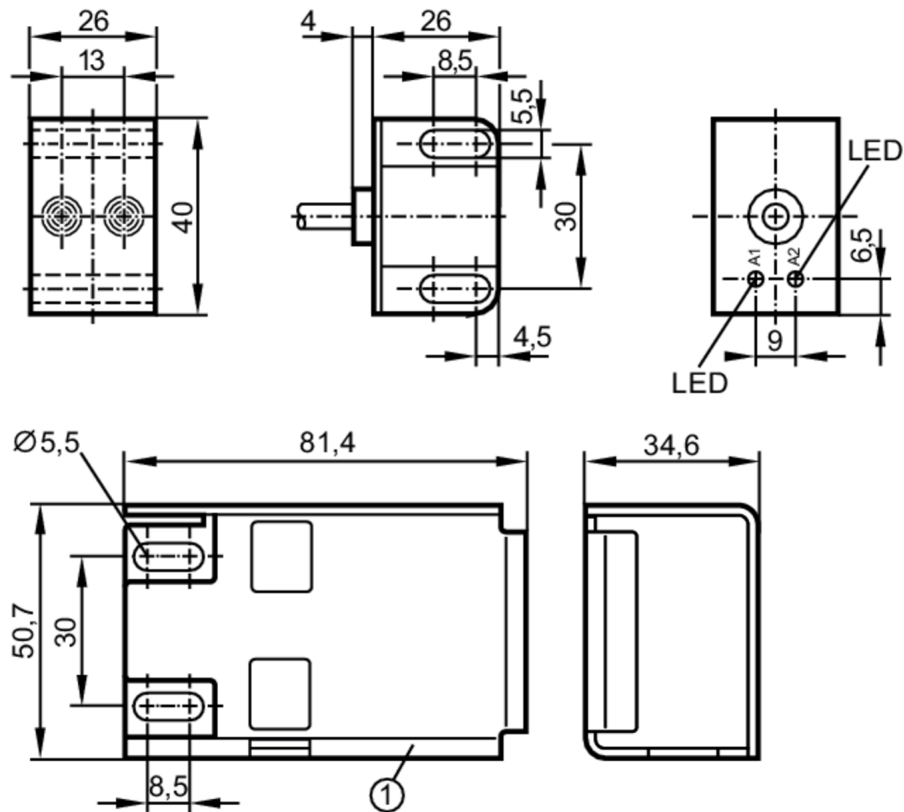


IN512A



Dual inductive sensor for valve actuators

IND3004DBPKG/3D



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
Output function	2 x normally open
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	100

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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		impact protection housing
		socket head screws: 2 x M5 x 35
		Mounting plate: 1
Remarks		
Pack quantity		1 pcs.

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Electrical connection

Cable: 2 m, PVC; 4 x 0.34 mm²

Connection

