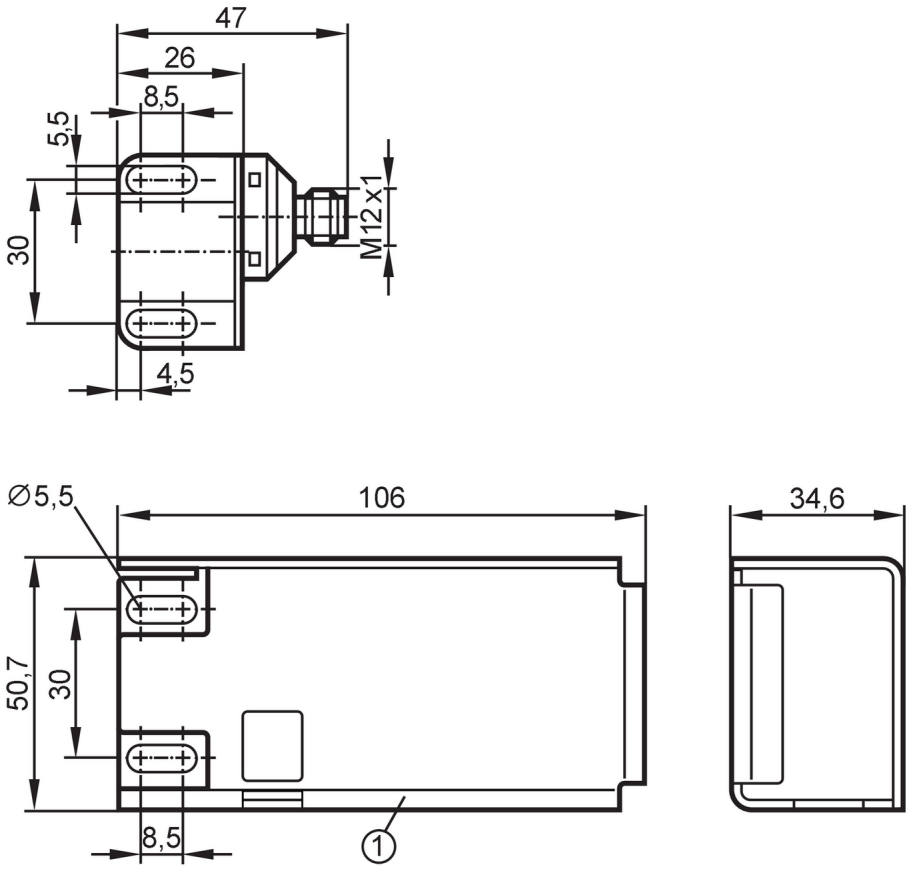
IN507A

Dual inductive sensor for valve actuators

IND3004DBPKG/US/3D/3G



1 Impact protection housing

Product characteristics		
Electrical design		PNP
Output function		2 x normally open
Sensing range	[mm]	4
Housing		rectangular
Dimensions	[mm]	40 x 26 x 47
Application		
Application		For applications in hazardous areas; position sensor for valve actuators
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

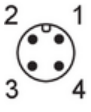
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Dual inductive sensor for valve actuators

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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		pulsed	
Overload protection		yes	
Detection zone			
Sensing range	[mm]	4	
Operating distance target puck	[mm]	1	
Accuracy / deviations			
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 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			
Approval		SEV 24 ATEX 0722 X; IECEx SEV 24.0008X	
ATEX marking		II 3D Ex tc IIIC T80°C Dc	
		II 3G Ex ec IIC T6 Gc	
Note on ATEX marking		only in conjunction with the impact protection housing	
EMC		EN 60947-5-2	
MTTF	[years]	1064	
Mechanical data			
Weight	[g]	341.5	
Housing		rectangular	
Dimensions	[mm]	40 x 26 x 47	
Materials		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.	
Electrical connection - plug			

Connector: 1 x M12; coding: A; Contacts: 4; Moulded body: stainless steel



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Connection

