

IN509A

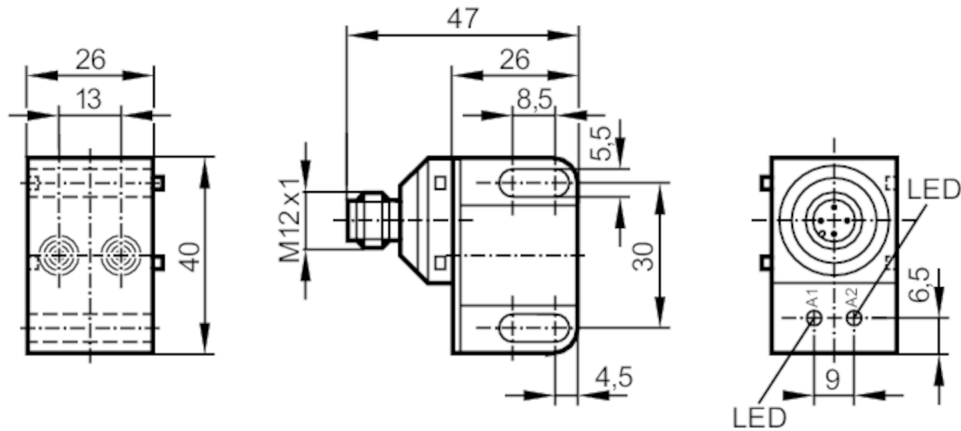


Inductive dual sensor for valve actuators

IND3004DBPKG/US/3D

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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
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		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	4
Real sensing range Sr	[mm]	4 ± 10 %
Operating distance	[mm]	0...3.2

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

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Operating conditions		
Ambient temperature	[°C]	-20...60
Protection		IP 67
Tests / approvals		
ATEX marking		 II 3D Ex tD A22 IP67 T80°C X Ta: -20...60°C
Note on ATEX marking		only in conjunction with the mounting plate
EMC		EN 60947-5-2
MTTF	[years]	1089
Mechanical data		
Weight	[g]	0.1
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	40 x 26 x 47
Materials		housing: PBT; cover: PC
Displays / operating elements		
Display	switching status	2 x LED, yellow
Accessories		
Accessories (supplied)		Mounting plate: 1 socket head screws: 2 x M5 x 35
Remarks		
Pack quantity		1 pcs.
Electrical connection - plug		
Connector: 1 x M12		
		

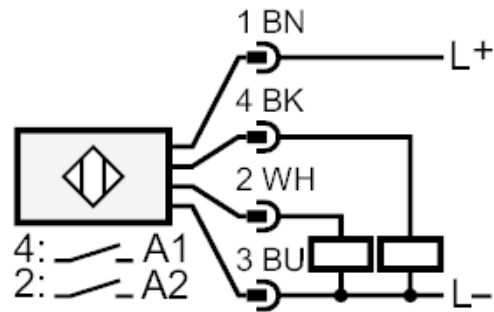
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Connection



Core colours :

BK = black
BN = brown
BU = blue
WH = white

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