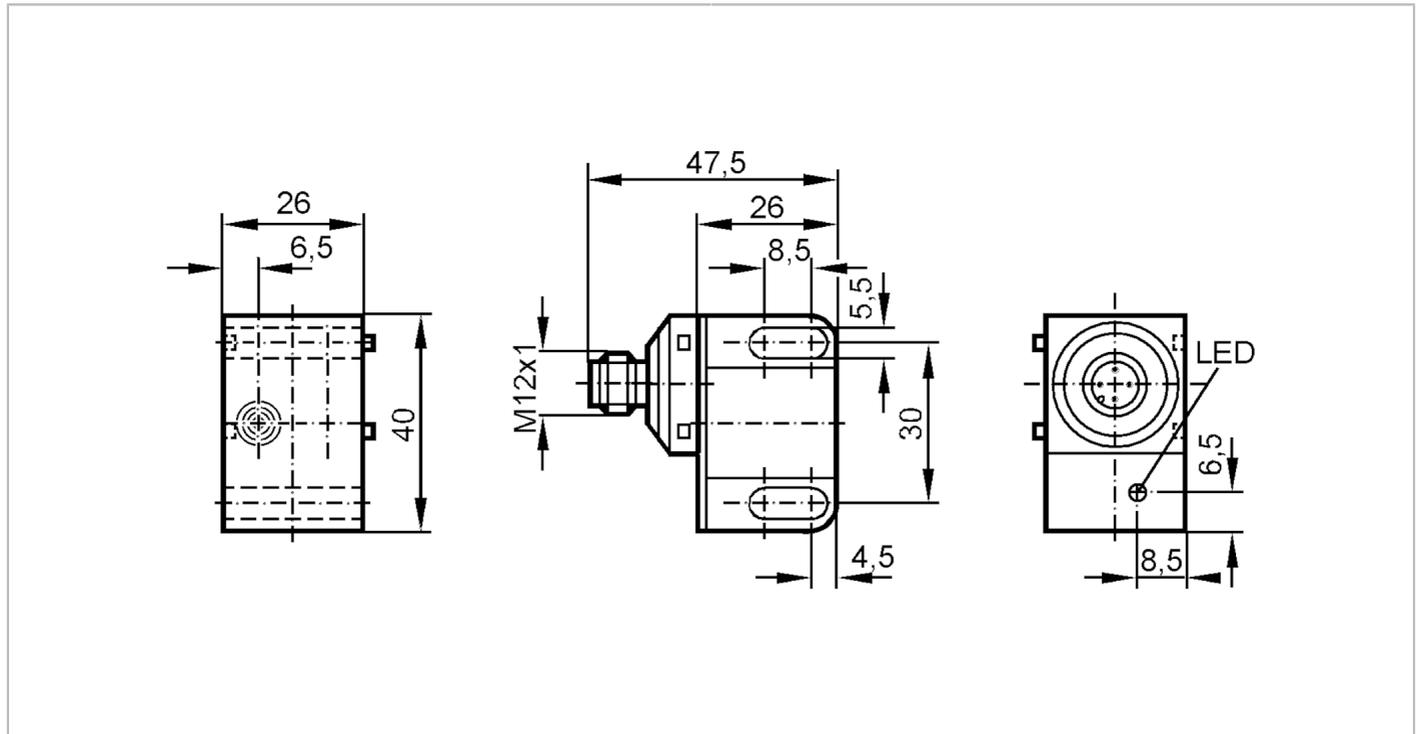


IN5280



Dual inductive sensor for valve actuators

IND3004-BPKG/US-100-KPS/A2



Product characteristics	
Electrical design	PNP
Output function	normally open
Sensing range [mm]	4
Housing	rectangular
Dimensions [mm]	26 x 40 x 47.5
Application	
Application	Position sensor for valve actuators
Electrical data	
Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (36 V)
Protection class	II
Reverse polarity protection	yes
Outputs	
Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	1300
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)

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Overload protection	yes
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Monitoring range

Sensing range [mm]	4
Real sensing range Sr [mm]	4 ± 10 %
Operating distance [mm]	0...3.25

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-10...10

Operating conditions

Ambient temperature [°C]	-25...80
Protection	IP 67

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF [years]	1883	

Mechanical data

Weight [g]	56
Housing	rectangular
Mounting	non-flush mountable
Dimensions [mm]	26 x 40 x 47.5
Material	housing: PBT

Displays / operating elements

Display	Switching status	1 x LED, yellow
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Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Connector: 1 x M12; coding: A; Moulded body: stainless steel (1.4305 / 303)



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Connection

