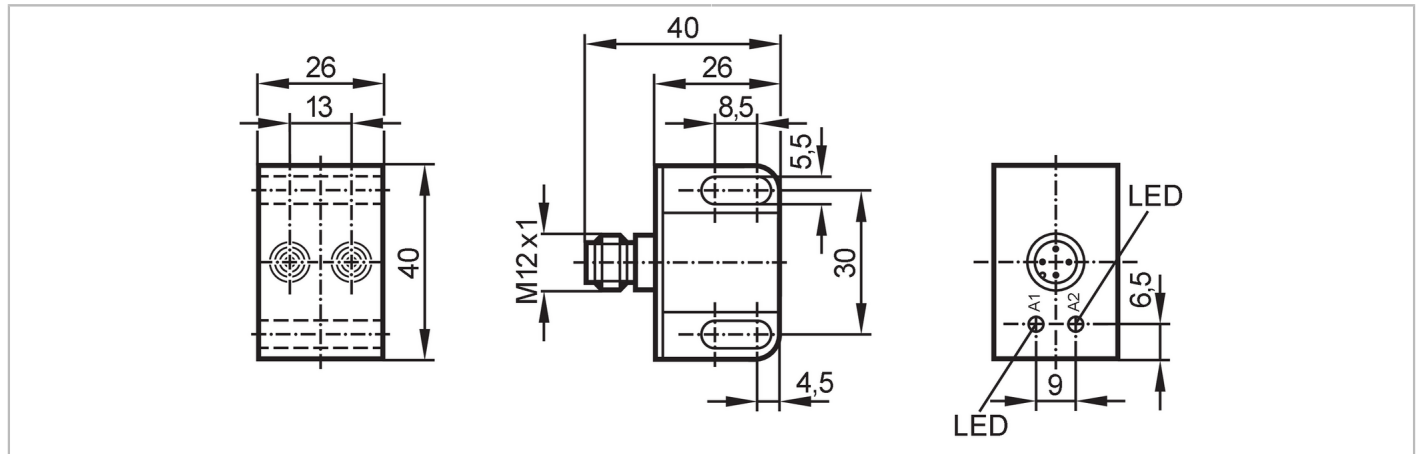


# IN5225



## Dual inductive sensor for valve actuators

IND3004DBPKG/US-100-DPV



Product characteristics	
Electrical design	PNP
Output function	2 x normally open
Sensing range [mm]	4
Housing	rectangular
Dimensions [mm]	40 x 26 x 26
Application	
Special feature	Gold-plated contacts
Application	position sensor for valve actuators
Electrical data	
Operating voltage [V]	10...30 DC
Current consumption [mA]	15
Protection class	II
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]	200
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...3.25

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## Dual inductive sensor for valve actuators

IND3004DBPKG/US-100-DPV

Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 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]	1064	
UL approval	Ta	0...40 °C
	Enclosure type	Type 1
	File number UL	E174191
Mechanical data		
Weight [g]	40	
Housing	rectangular	
Mounting	non-flush mountable	
Dimensions [mm]	40 x 26 x 26	
Materials	housing: PBT	
Tightening torque [Nm]	0.6...1.5; (Lock nut)	
Displays / operating elements		
Display	switching status	2 x LED, yellow
Remarks		
Pack quantity	1 pcs.	

### Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: gold-plated



### Connection

