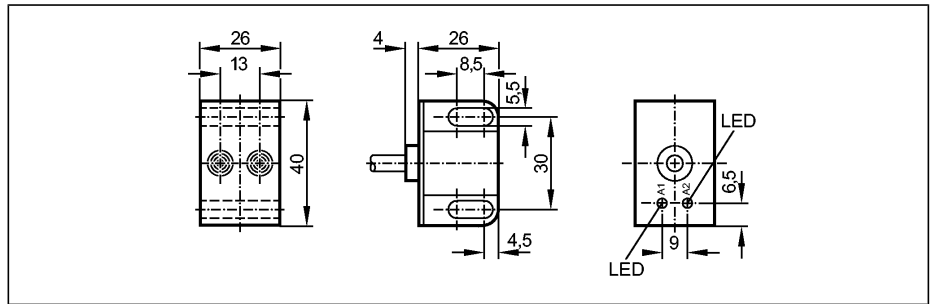


Valve sensors

IN5251

IND3004DBPKG
Inductive sensor
Rectangular, plastics
Cable

Sensing range 4 mm [nf]
non-flush mountable



Made in Germany

Electrical design

Output

Operating voltage	[V]
Current rating	[mA]
Short-circuit protection	
Reverse polarity protection	
Overload protection	
Voltage drop	[V]
Current consumption	[mA]
Real sensing range	[mm]
Operating distance	[mm]
Switch-point drift	[% of Sr]
Hysteresis	[% of Sr]
Switching frequency	[Hz]
Correction factors	
Ambient temperature	[°C]
Protection	
EMC	
Housing materials	
Function display	
Switching status	LED
Connection	
Weight	[kg]

DC PNP	
2 x normally open	
Operating voltage	10...36 DC
Current rating	250
Short-circuit protection	pulsed
Reverse polarity protection	yes
Overload protection	yes
Voltage drop	< 2.5
Current consumption	< 15 (24 V)
Real sensing range	4 ± 10 %
Operating distance	0...3.25
Switch-point drift	-10...10
Hysteresis	1...15
Switching frequency	1300
Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3
Ambient temperature	-25...80
Protection	IP 67, II
EMC	EN 60947-5-2 EN 55011: class B
Housing materials	PBT; PC (polycarbonate)
Function display	
Switching status	2 x yellow
Connection	PVC cable / 2 m; 4 x 0.34 mm ²
Weight	0.135

Wiring

Core colours
BN brown
BU blue
BK black
WH white

