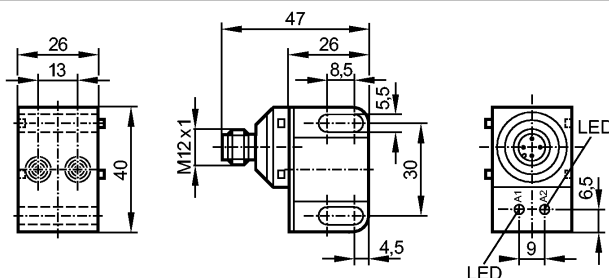


IN5331

IND2004DARKG/US-100-ZRV RT

Valve sensors



Product characteristics

Inductive sensor

Rectangular, plastics

Quick disconnect

Sensing range 4 mm; [nf] non-flush mountable

Electrical data

Electrical design	DC PNP/NPN
Operating voltage [V]	10...36 DC
Protection class	II
Reverse polarity protection	yes

Outputs

Output function	2 x normally open
Voltage drop [V]	< 4
Minimum load current [mA]	4
Leakage current [mA]	2 x 0.7
Current rating [mA]	250
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	250

Monitoring range

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

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / Cu approx. 0.4 / aluminium approx. 0.3
Hysteresis [% of Sr]	3...15
Switch-point drift [% of Sr]	-10...10

Environment

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

Tests / approvals

EMC	EN 60947-5-2
MTTF [Years]	1229

Mechanical data

Mounting	non-flush mountable
Housing materials	housing: PBT; cover: PC (polycarbonate); connector: brass white bronze coated



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Weight	[kg]	0.058
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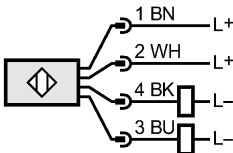
Displays / operating elements

Output status indication	LED	2 x red
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Electrical connection

Connection	M12 connector
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Wiring



Remarks

Pack quantity	[piece]	1
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