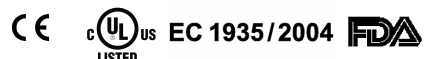
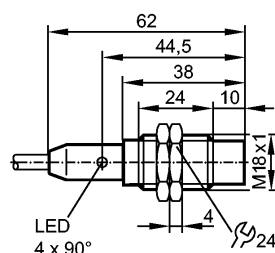


IGT209

IGB3012-BPKG/M/V4A/10M/WH

Inductive sensors



Product characteristics

Inductive sensor

Metal thread M18 x 1

Cable

Increased sensing range

Sensing range 12 mm; [nf] non-flush mountable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	< 10
Protection class	II
Reverse polarity protection	yes

Outputs

Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	100
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	300

Monitoring range

Sensing range [mm]	12
Real sensing range (Sr) [mm]	12 ± 10 %
Operating distance [mm]	0...9.72

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3
Hysteresis [% of Sr]	1...20
Switch-point drift [% of Sr]	-10...10

Environment

Ambient temperature [°C]	0...100
Protection	IP 68 / IP 69K; "COP"

Tests / approvals

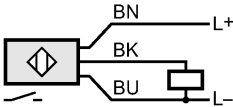
EMC	EN 61000-4-2 ESD: 4 kV CD / 8 kV AD EN 61000-4-3 HF radiated: 10 V/m EN 61000-4-4 Burst: 2 kV EN 61000-4-5 Surge: 0.5 kV EN 61000-4-6 HF conducted: 10 V EN 55011: class B
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IGT209

IGB3012-BPKG/M/V4A/10M/WH

Inductive sensors

MTTF	[Years]	1925
Mechanical data		
Mounting		non-flush mountable
Housing materials		stainless steel (316L); active face: PEEK (polyether ether ketone)
Weight	[kg]	0.386
Displays / operating elements		
Output status indication	LED	yellow (4 x 90°)
Electrical connection		
Connection		PVC cable / 10 m; 3 x 0.34 mm²; Ø 4.9 mm
<div><div><div>Wiring</div><div>Core colors</div><div>BK black</div><div>BN brown</div><div>BU blue</div></div><div></div></div>		
Accessories		
Accessories (included)		2 lock nuts
Remarks		
Pack quantity	[piece]	1