

Product characteristics

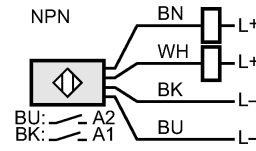
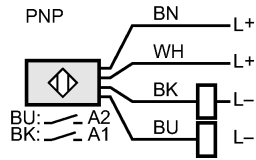
Inductive sensor	
Rectangular, plastics	
Cable	
Sensing range 4 mm; [nf] non-flush mountable	
Electrical data	
Electrical design DC PNP/NPN	
Operating voltage [V]	10...36 DC
Protection class	II
Reverse polarity protection	yes
Outputs	
Output function	2 x normally open
Voltage drop [V]	< 4.6
Minimum load current [mA]	4
Leakage current [mA]	2 x 0.8
Current rating [mA]	250
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	1400
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 / brass approx. 0.5 / aluminium approx. 0.4 / copper 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 EN 55011: class B
MTTF [Years]	1229
Mechanical data	
Mounting	non-flush mountable
Housing materials	PBT; PC (polycarbonate)
Weight [kg]	0.136
Displays / operating elements	
Output status indication LED	2 x yellow
Electrical connection	
Connection	PVC cable / 2 m; 4 x 0.34 mm <sup>2</sup>

# IN5290 - Inductive sensor - eclass: 27270101 / 27-27-01-01

## Wiring

Core colors

BK black  
BN brown  
BU blue  
WH white



Remarks

Pack quantity

[piece]

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