

Inductive sensor

IW-2008-ARKG/PH

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Product characteristics

Electrical design	PNP/NPN
Output function	normally open
Sensing range [mm]	8
Housing	rectangular
Dimensions [mm]	60 x 36 x 10

Electrical data

Operating voltage [V]	10...55 DC
Reverse polarity protection	yes

Outputs

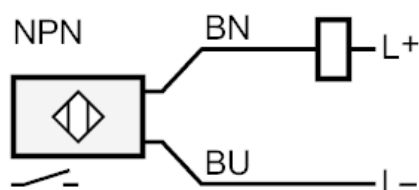
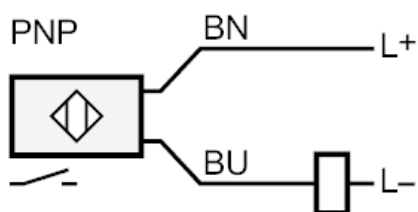
Electrical design	PNP/NPN
Output function	normally open
Max. voltage drop switching output DC [V]	4.6
Minimum load current [mA]	4
Max. leakage current [mA]	0.6
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	300
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes



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Detection zone		
Sensing range	[mm]	8
Real sensing range Sr	[mm]	$8 \pm 10 \%$
Operating distance	[mm]	0...6.5
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.4 / copper: 0.3
Hysteresis	[X01]	1...15
Switch point drift	[X01]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
Mechanical data		
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	60 x 36 x 10
Materials		PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PUR / PVC; 2 x 0.14 mm ²		
Connection		



Core colours :
 BN = brown
 BU = blue