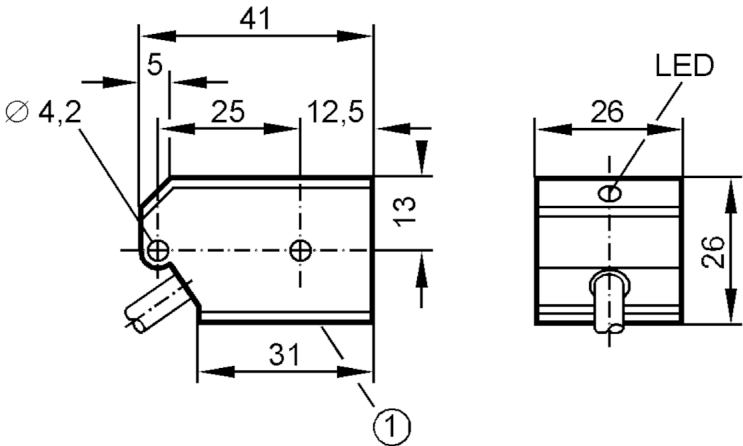




Inductive sensor

IOC2010-ARKG

Article no longer available - archive entry



1 Sensing face



Product characteristics		
Electrical design		PNP/NPN
Output function		normally open
Sensing range	[mm]	10
Housing		rectangular
Dimensions	[mm]	26 x 26 x 41
Electrical data		
Operating voltage	[V]	10...36 DC
Reverse polarity protection		yes
Outputs		
Electrical design		PNP/NPN
Output function		normally open
Max. voltage drop switching output DC	[V]	4.5
Minimum load current	[mA]	4
Max. leakage current	[mA]	0.6
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	250
Short-circuit protection		yes
Type of short-circuit protection		pulsed



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Overload protection	yes
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Detection zone	
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Sensing range	[mm]	10
Real sensing range S_r	[mm]	$10 \pm 10\%$
Operating distance	[mm]	0...8.1

Accuracy / deviations	
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Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[X01]	1...15
Switch point drift	[X01]	-10...10

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

Tests / approvals		
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EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data	
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Housing		rectangular
Sensing face		side
Mounting		flush mountable
Dimensions	[mm]	26 x 26 x 41
Materials		PBT

Displays / operating elements		
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Display	switching status	1 x LED, yellow
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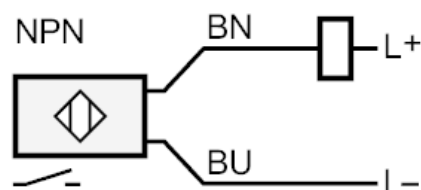
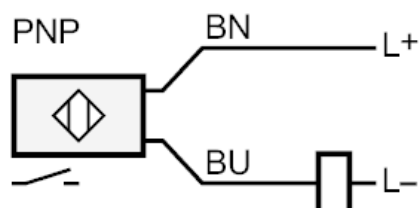
Remarks	
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Pack quantity	1 pcs.
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Electrical connection	
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Cable: 2 m, PUR; 2 x 0.5 mm²

Connection	
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Core colours :
 BN = brown
 BU = blue