

IF5781

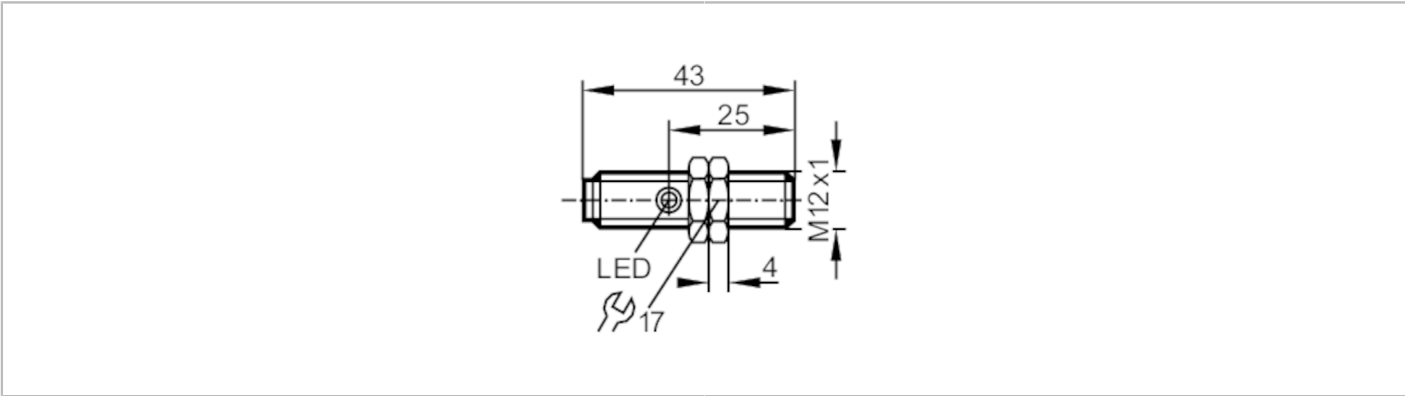


Inductive sensor

IFB3002-ANKG/US-100-DNS RT

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Alternative articles: IF5541
When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics		
Electrical design		NPN
Output function		normally open
Sensing range	[mm]	2
Housing		threaded type
Dimensions	[mm]	M12 x 1 / L = 43
Electrical data		
Operating voltage	[V]	18...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		III
Reverse polarity protection		yes
Outputs		
Electrical design		NPN
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	120; (150 (...50 °C))
Switching frequency DC	[Hz]	800
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.6



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Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...15
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature		[°C] -25...80
Protection		IP 65
Tests / approvals		
EMC		EN 60947-5-2
		EN 55011
Mechanical data		
Weight		[g] 27.1
Housing		threaded type
Mounting		flush mountable
Dimensions		[mm] M12 x 1 / L = 43
Thread designation		M12 x 1
Materials		brass nickel-plated; PC
Displays / operating elements		
Display		switching status 1 x LED, red
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection - plug		
Connector: 1 x M12; coding: A		
		

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Connection

