

IF5227

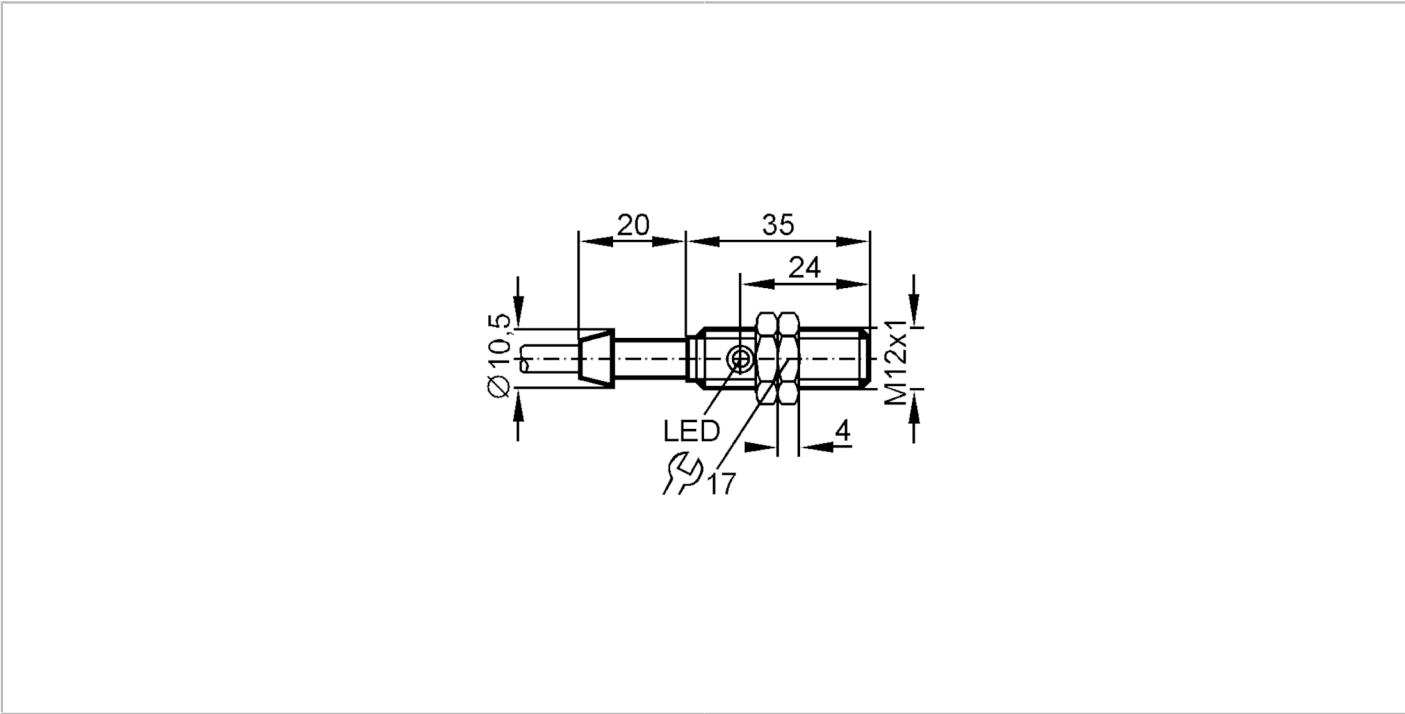


Inductive sensor

IFB3002-BPKG/MS

Article no longer available - archive entry

Alternative articles: IF5291
When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	2
Housing		Threaded type
Dimensions	[mm]	M12 x 1
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	125; (150 (...50 °C))
Switching frequency DC	[Hz]	800
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)

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Overload protection	yes	
Monitoring range		
Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.6
Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2	
Hysteresis	[% of Sr]	3...15
Switch-point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection	IP 67	
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing	Threaded type	
Mounting	flush mountable	
Dimensions	[mm]	M12 x 1
Thread designation	M12 x 1	
Material	brass nickel-plated; CO-PC	
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	

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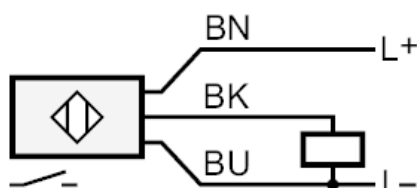
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Electrical connection

Cable: 2 m, PVC; 3 x 0.34 mm²

Connection



BN =	Core colors :
BU =	brown
BK =	blue
	black