

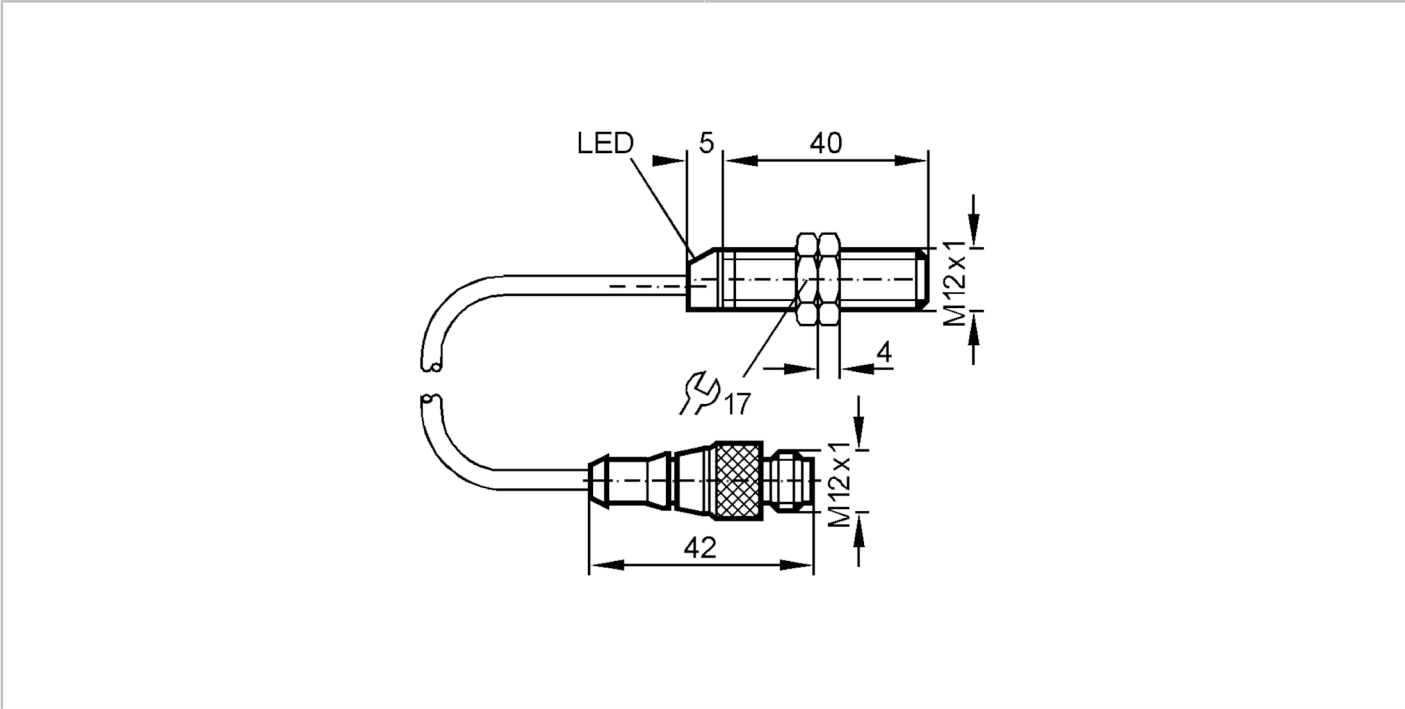
IF9220



Inductive sensor

IFB2002-ARKG/UP/0,8m PPU/US

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Product characteristics		
Electrical design		PNP/NPN
Output function		normally open
Sensing range	[mm]	2
Housing		Threaded type
Dimensions	[mm]	M12 x 1
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]	800
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes

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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]	1...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
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection - plug		
Cable: 0.8 m, PVC		
Connector: 1 x M12; coding: A		
		

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Connection

