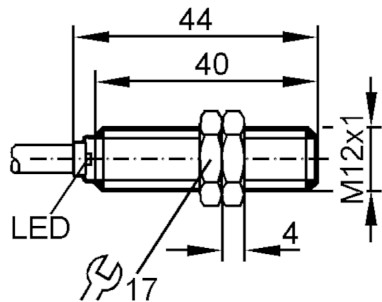


IF5955



Inductive sensor

IFB3002-BPKG/V2A/10-55V/3M/BH



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	2
Housing	Threaded type
Dimensions [mm]	M12 x 1

Application

System	Halogen-free
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Electrical data

Operating voltage [V]	10...55 DC
Current consumption [mA]	< 15
Protection class	II
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))
Short-time current rating of switching output [mA]	150
Switching frequency DC [Hz]	1000
Short-circuit protection	yes

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Inductive sensor

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Type of short-circuit protection	yes (non-latching)	
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: 0.5 / aluminum: 0.4 / copper: 0.3	
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
MTTF	[years]	2418
Mechanical data		
Weight	[g]	113.8
Housing	Threaded type	
Mounting	flush mountable	
Dimensions	[mm]	M12 x 1
Thread designation	M12 x 1	
Material	housing: stainless steel (1.4305 / 303); sensing face: PBT; end cap: TPE	
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	

IF5955



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Electrical connection

Cable: 3 m, PUR, Halogen-free; 3 x 0.34 mm²

Connection

