

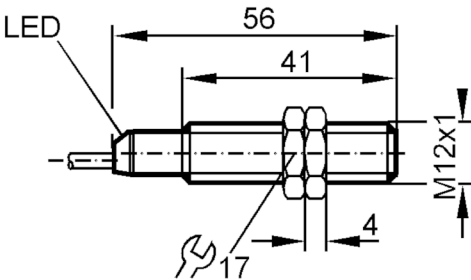
IF5845



Inductive sensor

IFK3002-APKG/V4A

Article no longer available - archive entry



Product characteristics	
Electrical design	PNP
Output function	normally closed
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 closed
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	1200
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

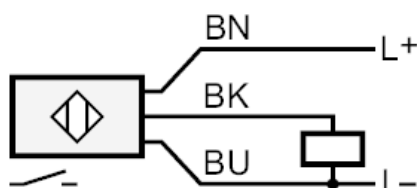
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Detection zone		
Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.6
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	3...15
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
Mechanical data		
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M12 x 1
Thread designation		M12 x 1
Materials		stainless steel (316Ti/1.4571); PBT
Displays / operating elements		
Display	switching status	1 x LED, red
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PVC; 3 x 0.14 mm ²		
Connection		



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