

Inductive sensor

IFB3002-ANKG/MS

Article no longer available - archive entry

Alternative articles: IF5200

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

Electrical data

Operating voltage [V]	18...36 DC
Current consumption [mA]	15; (24 V)
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]	125; (150 (...50 °C))
Switching frequency DC [Hz]	800
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

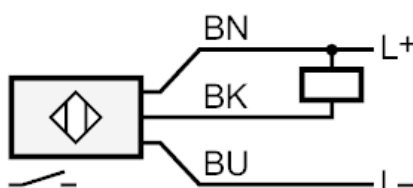
IF5235



Inductive sensor

IFB3002-ANKG/MS

Detection zone		
Sensing range	[mm]	2
Real sensing range Sr	[mm]	$2 \pm 10\%$
Operating distance	[mm]	0...1.6
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 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
Mechanical data		
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M12 x 1
Thread designation		M12 x 1
Materials		brass nickel-plated; PBT
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 2 m, PVC; 3 x 0.34 mm ²		
Connection		



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