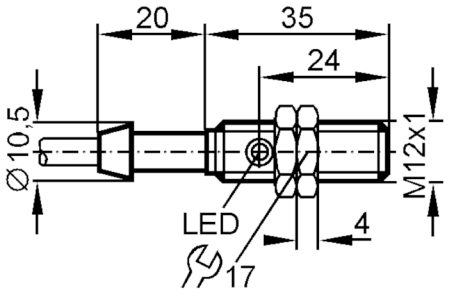
IF5240

Inductive sensor

IFB3002-BNOG/MS/ 6m

Article no longer available - archive entry



Product characteristics		
Electrical design		NPN
Output function		normally closed
Sensing range	[mm]	2
Housing		Threaded type
Dimensions	[mm]	M12 x 1
Electrical data		
Operating voltage	[V]	18...36 DC
Current consumption	[mA]	7; (24 V)
Reverse polarity protection		yes
Outputs		
Electrical design		NPN
Output function		normally closed
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	800
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes
Monitoring range		
Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %

IF5240

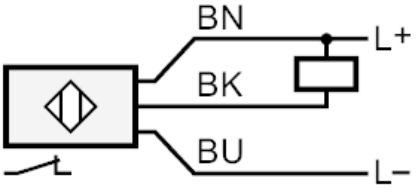
Inductive sensor

IFB3002-BNOG/MS/ 6m

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
Mechanical data		
Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M12 x 1
Thread designation		M12 x 1
Material		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: 6 m, PVC; 3 x 0.34 mm²

Connection



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