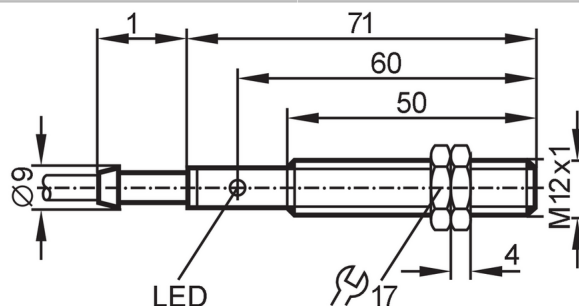


IF5395



Inductive sensor

IFA3002-BPKG/V4A/6M



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	2
Housing	Threaded type
Dimensions [mm]	M12 x 1 / L = 71

Application

Application	Industrial applications
-------------	-------------------------

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
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]	250
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 S_r [mm]	$2 \pm 10 \%$
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 S_r]	1...15
Switch-point drift [% of S_r]	-10...10

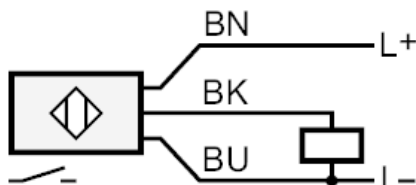
IF5395



Inductive sensor

IFA3002-BPKG/V4A/6M

Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	945
Mechanical data		
Weight	[g]	264.5
Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M12 x 1 / L = 71
Thread designation		M12 x 1
Material		housing: stainless steel (1.4571/316Ti); sensing face: 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 :
BK =	black
BN =	brown
BU =	blue