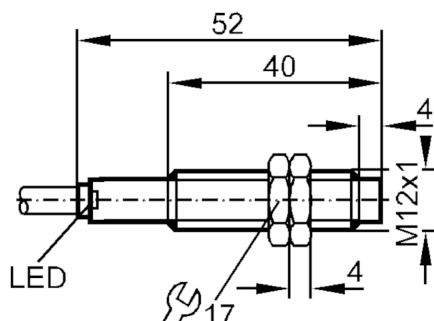


IF5933



Inductive sensor

IFK3007-BPKG/6M/BH



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	7
Housing	Threaded type
Dimensions [mm]	M12 x 1

Application

System	Halogen-free; Increased sensing range
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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]	7
Real sensing range Sr [mm]	$7 \pm 10\%$
Operating distance [mm]	0...5.7
Increased sensing range	yes

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3
Hysteresis [% of Sr]	3...15

IF5933



Inductive sensor

IFK3007-BPKG/6M/BH

Switch-point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
MTTF	[years]	1865
Mechanical data		
Weight	[g]	227.5
Housing		Threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M12 x 1
Thread designation		M12 x 1
Material		brass nickel-plated; PC
Displays / operating elements		
Display	Switching status	1 x LED, red
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		
Cable: 6 m, PUR, Halogen-free; 3 x 0.34 mm ²		
Connection		



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