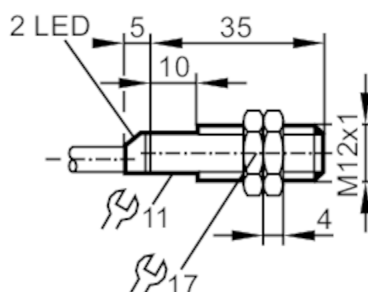


Inductive sensor

IFB2004BAROG/UP/SC/0,3mDC

phase-out article



Product characteristics

Electrical design	PNP/NPN
Output function	normally open
Sensing range [mm]	4
Housing	threaded type
Dimensions [mm]	M12 x 1 / L = 40

Application

Special feature	Increased sensing range; Optical setting aid
-----------------	--

Electrical data

Operating voltage [V]	10...36 DC
Protection class	II
Reverse polarity protection	no

Outputs

Electrical design	PNP/NPN
Output function	normally open
Max. voltage drop switching output DC [V]	5
Minimum load current [mA]	5
Max. leakage current [mA]	1
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	110
Short-circuit protection	no
Overload protection	no

Detection zone

Sensing range [mm]	4
Real sensing range S_r [mm]	$4 \pm 10 \%$
Operating distance [mm]	0...3.25
Increased sensing range	yes

Accuracy / deviations

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

IF5853



Inductive sensor

IFB2004BAROG/UP/SC/0,3mDC

Switch point drift	[% of Sr]	-10...10
--------------------	-----------	----------

Operating conditions

Ambient temperature	[°C]	-25...70
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Weight	[g]	82
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M12 x 1 / L = 40
Thread designation		M12 x 1
Materials		brass PTFE coated; PC

Displays / operating elements

Display	switching status	1 x LED, red
	switching status	1 x LED, green
Optical setting aid		yes

Accessories

Items supplied	lock nuts: 2
----------------	--------------

Remarks

Pack quantity	1 pcs.
---------------	--------

Electrical connection - plug

Cable: 0.3 m, PUR; cross-linked; 2 x 0.34 mm²

Cable: 0.3 m, PUR; protective tube; 2 x 0.34 mm²

Connector: 1 x M12; coding: A



IF5853



Inductive sensor

IFB2004BAROG/UP/SC/0,3mDC

Connection

