

IFS20A



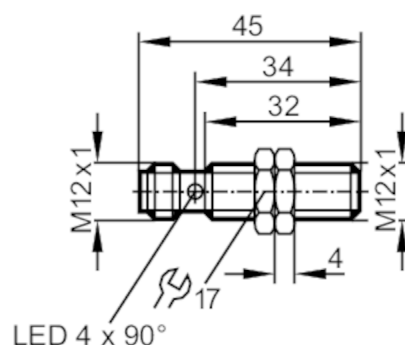
Inductive sensor

IFB3004BBPKG/M/US-104-DPS/3D

Article no longer available - archive entry

Alternative articles: IF503A

When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	4
Housing	threaded type
Dimensions [mm]	M12 x 1 / L = 45

Application

Special feature	Gold-plated contacts; Increased sensing range
Application	Industrial applications / factory automation

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	10; (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]	100
Switching frequency DC [Hz]	700
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	4
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Operating distance	[mm]	0...3.24
Increased sensing range		yes

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[X01]	1...20
Switch point drift	[X01]	-10...10

Operating conditions

Ambient temperature	[°C]	-20...60
Protection		IP 67

Tests / approvals

ATEX marking		 II 3D Ex tD A22 IP67 T80°C X
EMC		EN 60947-5-2

Mechanical data

Weight	[g]	0.045
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M12 x 1 / L = 45
Thread designation		M12 x 1
Materials		stainless steel (1.4404 / 316L); sensing face: PEEK

Displays / operating elements

Display	switching status	4 x 90° LED, yellow
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Аксессуары

Items supplied		lock nuts: 2
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Remarks

Pack quantity		1 pcs.
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Electrical connection - plug

Connector: 1 x M12; coding: A; Contacts: gold-plated



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Connection

