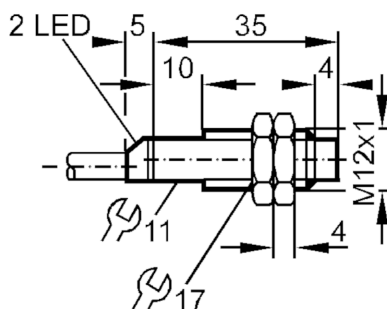




Inductive sensor

IFB2007-AROG/UP/2LED/2M/XS

Article no longer available - archive entry



Product characteristics

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

Application

System	Increased sensing range; optical setting aid
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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

Monitoring range

Sensing range [mm]	7
Real sensing range S_r [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: 0.4 / aluminum: 0.4 / copper: 0.3
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IF5875



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Hysteresis	[% of Sr]	3...15
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

Housing	Threaded type
Mounting	non-flush mountable
Dimensions [mm]	M12 x 1
Thread designation	M12 x 1
Material	brass white bronze coated; PC

Displays / operating elements

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

Accessories

Items supplied	lock nuts: 2
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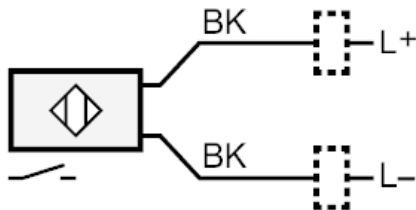
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PVC; suited for robots and drag chains; 2 x 0.3 mm²

Connection



BK = Core colors :
black