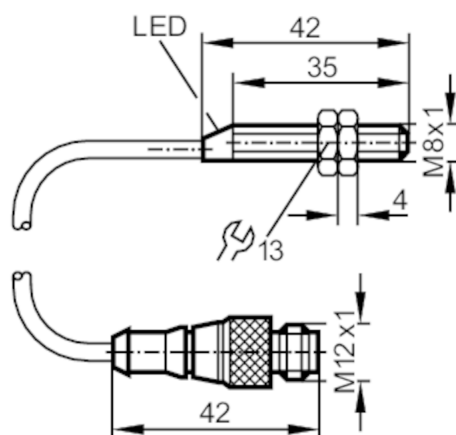


Inductive sensor

IEB3002BBPKG/UP/0,8MPUR/US

Article no longer available - archive entry



Product characteristics

Electrical design	PNP/NPN
Output function	normally closed
Sensing range [mm]	2
Housing	threaded type
Dimensions [mm]	M8 x 1 / L = 42

Electrical data

Operating voltage [V]	10...55 DC
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP/NPN
Output function	normally closed
Max. voltage drop switching output DC [V]	4.5
Minimum load current [mA]	5
Max. leakage current [mA]	0.6
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	1000
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	2
Real sensing range Sr [mm]	$2 \pm 10 \%$

IE9212



Inductive sensor

IEB3002BBPKG/UP/0,8MPUR/US

Operating distance	[mm]	0...1.62
--------------------	------	----------

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	3...15
Switch point drift	[% of Sr]	-10...10

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B

Mechanical data

Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M8 x 1 / L = 42
Thread designation		M8 x 1
Materials		brass white bronze coated

Displays / operating elements

Display	switching status	1 x LED, yellow
---------	------------------	-----------------

Accessories

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

Remarks

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

Electrical connection - plug

Cable: 0.8 m, PUR

Connector: 1 x M12; coding: A





Inductive sensor

IEB3002BBPKG/UP/0,8MPUR/US

Connection

