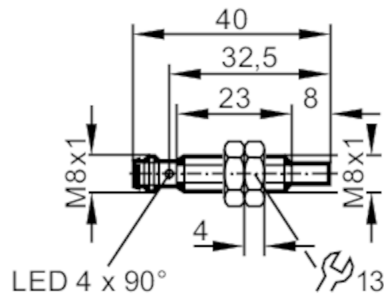


IE5350



Inductive sensor

IEBC005-BSKG/V4A/AS



Product characteristics

Electrical design		PNP/NPN
Output function		normally closed
Sensing range	[mm]	5
Housing		Threaded type
Dimensions	[mm]	M8 x 1 / L = 40

Electrical data

Operating voltage	[V]	10...30 DC
Protection class		III
Reverse polarity protection		yes

Outputs

Electrical design		PNP/NPN
Output function		normally closed
Max. voltage drop switching output DC	[V]	3.5
Minimum load current	[mA]	2; (only in 2-wire operation)
Max. leakage current	[mA]	0.5; (only in 2-wire operation)
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	600
Short-circuit protection		yes
Overload protection		yes

Monitoring range

Sensing range	[mm]	5
Real sensing range Sr	[mm]	5 ± 10 %
Operating distance	[mm]	0...4.05

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.5 / copper: 0.4
Hysteresis	[% of Sr]	1...20
Switch-point drift	[% of Sr]	-10...10

Operating conditions

Ambient temperature	[°C]	0...60
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IE5350



Inductive sensor

IEBC005-BSKG/V4A/AS

Protection	IP 65; IP 67; (with ifm socket duly screwed on)
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Tests / approvals

EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	10 V
	EN 55011	class B
MTTF [years]		1870
Embedded software included		yes
UL approval	Ta	0...60 °C
	Enclosure type	Type 1
	voltage supply	Limited Voltage/Current
	UL approval number	A017
	File number UL	E174191

Mechanical data

Weight [g]	15.9
Housing	Threaded type
Mounting	non-flush mountable
Dimensions [mm]	M8 x 1 / L = 40
Thread designation	M8 x 1
Material	stainless steel (1.4401 / 316); sensing face: LCP orange; LED window: PPSU; lock nuts: stainless steel (1.4401 / 316)
Tightening torque [Nm]	A = 5 mm: 2 Nm; B = 5 Nm

Displays / operating elements

Display	Switching status	4 LED, yellow
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Accessories

Items supplied	lock nuts: 2
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Remarks

Pack quantity	1 pcs.
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IE5350

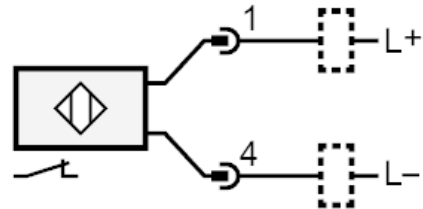
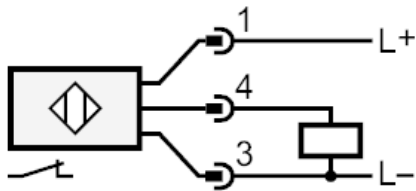
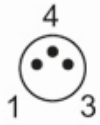


Inductive sensor

IEBC005-BSKG/V4A/AS

Electrical connection - plug

Connector: 1 x M8; coding: A



Diagrams and graphs

Installation

