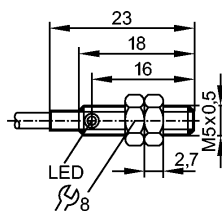


IY5052

IYB31.2-BPKG/V2A

Inductive sensors



Made in Germany

Product characteristics

Inductive sensor

Metal thread M5 x 0.5

Cable

Sensing range 1.2 mm; [f] flush mountable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...30 DC
Current consumption [mA]	< 15
Protection class	III
Reverse polarity protection	yes

Outputs

Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	100
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	2000

Range

Sensing range [mm]	1.2
Operating distance [mm]	0...0.97

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / Al approx. 0.4 / Cu approx. 0.3
Hysteresis [% of Sr]	1...15

Environment

Ambient temperature [°C]	-25...70
Protection	IP 65

Tests / approvals

EMC	EN 60947-5-2
MTTF [Years]	951

Mechanical data

Mounting	flush mountable
Housing materials	stainless steel (303S22); POM (polyoxymethylene)
Weight [kg]	0.036

Displays / operating elements

Output status indication LED	yellow
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Electrical connection

IY5052

IYB31.2-BPKG/V2A

Inductive sensors

Connection	PUR cable / 2 m; 3 x 0.14 mm ²
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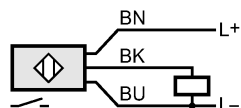
Wiring

Core colours

BK black

BN brown

BU blue



Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity	[piece]	1
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