

Product characteristics

Inductive sensor
Plastic housing Ø 164 mm
Cable
Sensing range 120 mm; adjustable 30...120 mm; [nf] non-flush mountable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...36 DC
Current consumption [mA]	15 (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Output function	normally open
Voltage drop [V]	< 2.5
Current rating [mA]	250
Short-circuit protection	yes (non-latching)
Overload protection	yes
Switching frequency [Hz]	3

Monitoring range

Sensing range [mm]	120, adjustable 30...120 mm
Real sensing range (Sr) [mm]	120 ± 10 %

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2
Hysteresis [% of Sr]	< 15
Switch-point drift [% of Sr]	-15...15

Environment

Ambient temperature [°C]	-20...70
Protection	IP 65

Tests / approvals

EMC	EN 60947-5-2
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I27001

SIY-3120-BPKG

Inductive sensors

MTTF	[Years]	1049
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Mechanical data

Mounting	non-flush mountable	
Housing materials	housing: PBT; bottom cover: aluminum	
Weight	[kg]	1.249

Displays / operating elements

Output status indication	LED	yellow
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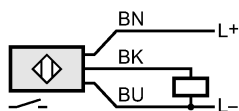
Electrical connection

Connection	PVC cable / 2 m; 3 x 0.5 mm ²	
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Wiring

Core colors

BK	black
BN	brown
BU	blue



Accessories

Accessories (included)	Screw; M16 x 90	
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Remarks

Pack quantity	[piece]	1
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