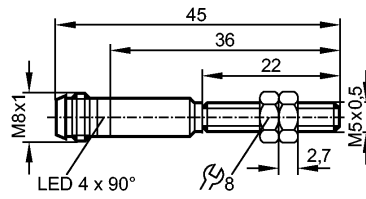


IY5036

IYB30.8-BPKG/V2A/AS-514-TPS RT

Inductive sensors



Product characteristics

Inductive sensor
Metal thread M5 x 0.5
Quick disconnect
Sensing range 0.8 mm; [f] flush mountable

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...36 DC; cULus - Class 2 source required
Current consumption [mA]	15 (24 V)
Protection class	III
Reverse polarity protection	yes

Outputs

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

Monitoring range

Sensing range [mm]	0.8
Real sensing range (Sr) [mm]	0.8 ± 10 %
Operating distance [mm]	0...0.65

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.5 / aluminium approx. 0.4 / copper approx. 0.3
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-10...10

Environment

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

Tests / approvals

EMC	EN 60947-5-2 EN 55011: class B
MTTF [Years]	953

Mechanical data

Mounting	flush mountable
Housing materials	stainless steel (303S22); active face: POM (polyoxymethylene)
Weight [kg]	0.012

IY5036

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Inductive sensors

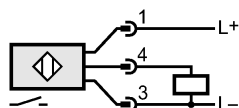
Displays / operating elements

Output status indication	LED	red (4 x 90°)
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Electrical connection

Connection	M8 connector
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Wiring



Accessories

Accessories (included)	2 lock nuts
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Remarks

Pack quantity	[piece]	1
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