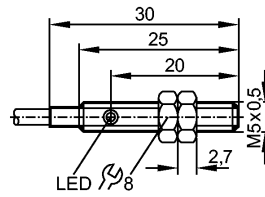


IY5029

IYB30.8-BPKG/V2A

Inductive sensors



Product characteristics

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

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...36 DC
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. 0.4 / aluminium approx. 0.3 / copper approx. 0.2
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]	0.045

IY5029

IYB30.8-BPKG/V2A

Inductive sensors

Displays / operating elements

Output status indication	LED	yellow
--------------------------	-----	--------

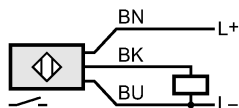
Electrical connection

Connection	PVC cable / 2 m; 3 x 0.14 mm ²
------------	---

Wiring

Core colors

- BN brown
- BU blue
- BK black



Accessories

Accessories (included)	2 lock nuts
------------------------	-------------

Remarks

Pack quantity	[piece]	1
---------------	---------	---