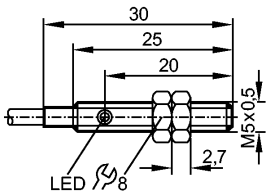
efector100

IY5029

IYB30.8-BPKG/V2A

Inductive sensors



Made in Germany

CE

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		pulsed
Overload protection		yes
Switching frequency	[Hz]	2000
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 / Al approx. 0.3 / Cu 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

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Inductive sensors

Displays / operating elements

Output status indication	LED	yellow

Electrical connection

Connection	PVC cable / 2 m; 3 x 0.14 mm²

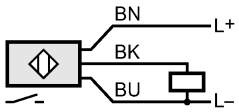
Wiring

Core colours

BN brown

BU blue

BK black



Accessories

Accessories (included)	2 lock nuts

Remarks

Pack quantity	[piece]	1