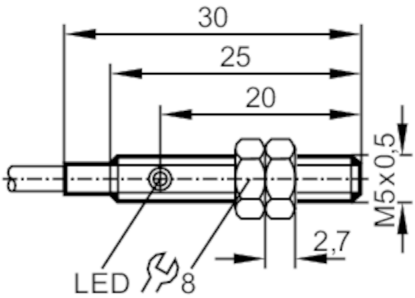




Inductive sensor

IYB30,8-BPKG/V2A/ RT



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	0.8
Housing		threaded type
Dimensions	[mm]	M5 x 0.5 / L = 30
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		III
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	2000
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	0.8
Real sensing range Sr	[mm]	0.8 ± 10 %
Operating distance	[mm]	0...0.65
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[X01]	1...15
Switch point drift	[X01]	-10...10

IY5046



Inductive sensor

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Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 65
Tests / approvals		
EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	3 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-6 HF conducted	3 V
	EN 55011	class B
MTTF	[ANN]	2053
UL approval	Ta	-25...70 °C
	Enclosure type	Type 1
	подача напруги	Class 2
	File number UL	E174191
Mechanical data		
Weight	[g]	43
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M5 x 0.5 / L = 30
Thread designation		M5 x 0.5
Materials		stainless steel (1.4305 / 303); sensing face: POM
Tightening torque	[Nm]	2
Displays / operating elements		
Display	switching status	1 x LED, red
Аксессуары		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.

IY5046



Inductive sensor

IYB30,8-BPKG/V2A/ RT

Electrical connection

Cable: 2 m, PVC; 3 x 0.14 mm²

Connection



BK =	Core colours :
BN =	black
BU =	brown
	blue