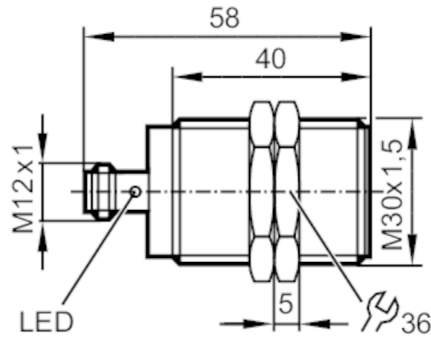


I10366



Inductive sensor

IIB2015BARKA/BS-400B



Product characteristics

Output function		normally open
Sensing range	[mm]	15
Housing		threaded type
Dimensions	[mm]	M30 x 1.5 / L = 58

Application

Special feature		Gold-plated contacts
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Electrical data

Operating voltage	[V]	20...140 AC/DC
Protection class		II
Reverse polarity protection		yes

Outputs

Output function		normally open
Max. voltage drop switching output DC	[V]	6
Max. voltage drop switching output AC	[V]	6.5
Minimum load current	[mA]	5
Max. leakage current	[mA]	1
Permanent current rating of switching output AC	[mA]	200
Permanent current rating of switching output DC	[mA]	200
Short-time current rating of switching output	[mA]	1200; (20ms / 0,5Hz; for UL application: \hat{i} : 0,9 A (20 ms / 0,5 Hz))
Switching frequency AC	[Hz]	25
Switching frequency DC	[Hz]	25
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	15
Operating distance	[mm]	0...12.1

II0366



Inductive sensor

IIB2015BARKA/BS-400B

Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis [% of Sr]	1...20	
Operating conditions		
Ambient temperature [°C]	-25...70	
Protection	IP 67	
Tests / approvals		
EMC	EN 61000-4-2 ESD	4 kV CD / 8 kV AD
	EN 61000-4-3 HF radiated	10 V/m
	EN 61000-4-4 Burst	2 kV
	EN 61000-4-5 Surge	1 kV line to line, Ri: 2 Ohm
	EN 61000-4-6 HF conducted	10 V
	EN 55011	class B
MTTF [years]	398	
UL approval	Ta	-25...70 °C
	Enclosure type	Type 1
	power supply	Hazardous voltage
	File number UL	E174191
Mechanical data		
Weight [g]	135.5	
Housing	threaded type	
Mounting	flush mountable	
Dimensions [mm]	M30 x 1.5 / L = 58	
Thread designation	M30 x 1.5	
Materials	housing: brass white bronze coated; sensing face: PBT	
Displays / operating elements		
Display	switching status	4 x 90° LED, red
Accessories		
Items supplied	lock nuts: 2	
Remarks		
Pack quantity	1 pcs.	

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Inductive sensor

IIB2015BARKA/BS-400B

Electrical connection - plug

Connector: 1 x M12; coding: B; Contacts: gold-plated

