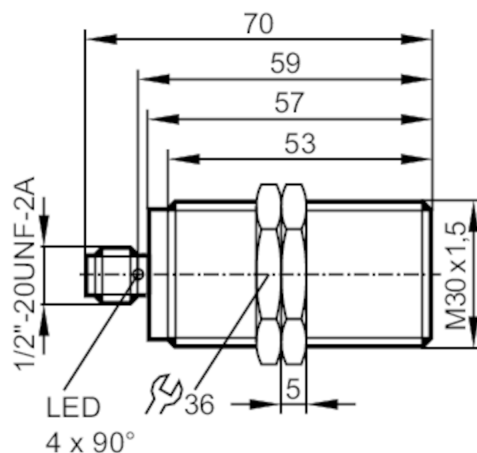




Inductive sensor

IIK2014BARKA/M/V4A/LS-104-AK



Product characteristics

Output function		normally open
Sensing range	[mm]	14
Housing		threaded type
Dimensions	[mm]	M30 x 1.5 / L = 70

Application

Special feature		Gold-plated contacts
Application		regular cleaning processes

Electrical data

Operating voltage	[V]	20...140 AC/DC
Protection class		II
Reverse polarity protection		yes
Max. power-on delay time	[ms]	1000



Inductive sensor

IIK2014BARKA/M/V4A/LS-104-AK

Outputs		
Output function		normally open
Max. voltage drop switching output DC [V]		5.5
Max. voltage drop switching output AC [V]		5.5
Minimum load current [mA]		5
Max. leakage current [mA]		1
Permanent current rating of switching output AC [mA]		80; (200 (...80 °C))
Permanent current rating of switching output DC [mA]		80; (200 (...80 °C))
Short-time current rating of switching output [mA]		1200; (20ms / 0,5Hz / 80 mA (> 80°C))
Switching frequency AC [Hz]		25
Switching frequency DC [Hz]		100
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range [mm]		14
Operating distance [mm]		0...11.34
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis [% of Sr]		2...15
Operating conditions		
Ambient temperature [°C]		0...100
Protection		IP 68; IP 69K; ("COP")
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 61000-4-6 HF conducted	10 V
	EN 55011	class B
MTTF [years]		380
UL approval	Ta	0...40 °C
	Enclosure type	Type 1
	voltage supply	Hazardous voltage
	File number UL	E174191



Inductive sensor

IIK2014BARKA/M/V4A/LS-104-AK

Mechanical data		
Weight	[g]	140.8
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 70
Thread designation		M30 x 1.5
Materials		housing: stainless steel (1.4404 / 316L); sensing face: PEEK; lock nuts: stainless steel (1.4404 / 316L)

Displays / operating elements		
Display	switching status	4 x 90° LED, yellow

Accessories	
Items supplied	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

Electrical connection - plug

Connector: 1 x 1/2"; Contacts: gold-plated

