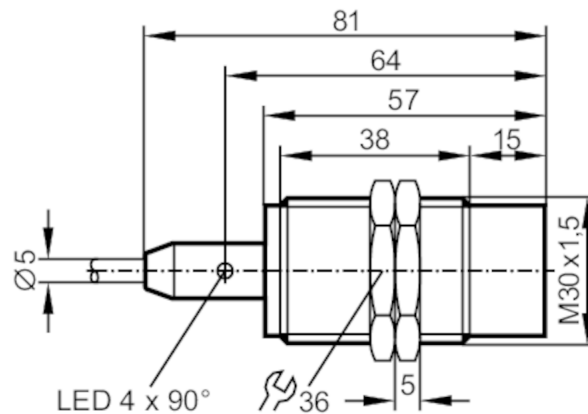


Inductive sensor

IIC022-ASKG/M/20M



Electrical data

Operating voltage	[V]	10...36 DC
Current consumption	[mA]	< 10; (only in 3-wire operation)
Protection class		II
Reverse polarity protection		yes

Outputs

Electrical design		PNP/NPN
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Minimum load current	[mA]	2; (only in 2-wire operation)
Max. leakage current	[mA]	0.5; (only in 2-wire operation)
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	100
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	22
Real sensing range S_r	[mm]	$22 \pm 10 \%$
Operating distance	[mm]	0...17.82
Increased sensing range		yes

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.45 / copper: 0.4
Hysteresis	[% of Sr]	1...20
Switch point drift	[% of Sr]	-10...10

IIM204



Inductive sensor

IIKC022-ASKG/M/20M

Operating conditions		
Ambient temperature	[°C]	-30...70
Protection		IP 67; IP 69K
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	0,5 kV line to line, Ri: 2 Ohm
	EN 61000-4-6 HF conducted	10 V
	EN 55011	class B
MTTF	[years]	1089
Mechanical data		
Weight	[g]	1390.4
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M30 x 1.5 / L = 81
Thread designation		M30 x 1.5
Materials		threaded sleeve: stainless steel; cable plug: stainless steel; sensing face: LCP natural; LED window: PEI; lock nuts: stainless steel
Displays / operating elements		
Display	switching status	4 x 90° LED, yellow
Accessories		
Accessories (supplied)		lock nuts: 2
Remarks		
Pack quantity		1 pcs.



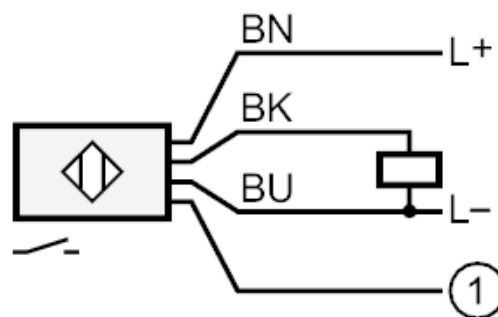
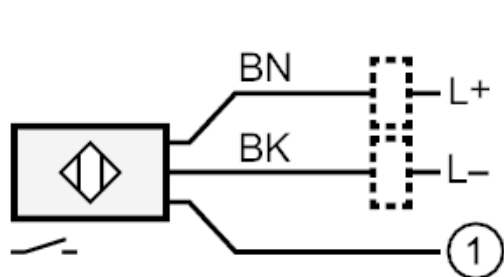
Inductive sensor

IIC022-ASKG/M/20M

Electrical connection

Cable: 20 m, PVC, Ø 6.5 mm, shielded; 3 x 0.5 mm²

Connection



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