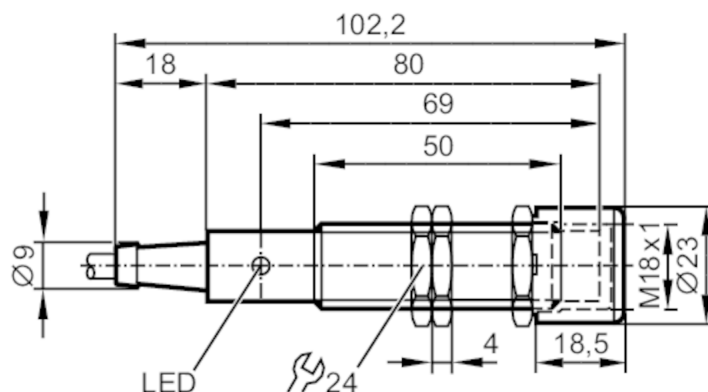


IG513A



Inductive sensor

IGA3008-BPKG/3D



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	8
Housing	threaded type
Dimensions [mm]	M18 x 1 / L = 80

Application

Installation	use in hazardous areas only with installed protective cover
--------------	---

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	< 15
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]	150
Switching frequency DC [Hz]	300
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	8
Real sensing range S_r [mm]	$8 \pm 10 \%$
Operating distance [mm]	0...6.48

IG513A



Inductive sensor

IGA3008-BPKG/3D

Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...20
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-20...60
Protection		IP 67
Tests / approvals		
ATEX marking	Ⓔ II 3D Ex tc IIIC T80°C Dc X	
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
	IEC 60255-5	1 kV line to line, Ri: 500 Ohm
	EN 55011 emission	class B
MTTF	[years]	1853
Mechanical data		
Weight	[g]	194.8
Housing		threaded type
Mounting		non-flush mountable
Dimensions	[mm]	M18 x 1 / L = 80
Thread designation		M18 x 1
Materials		brass white bronze coated; sensing face: PBT; lock nuts: brass white bronze coated; Protective cover: PA
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)	lock nuts: 3	
	Protective cover: 1	
Remarks		
Pack quantity	1 pcs.	

IG513A



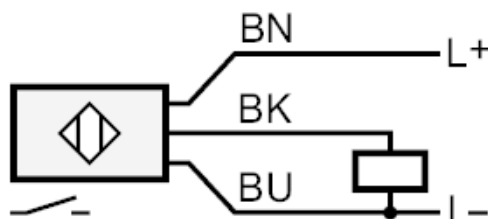
Inductive sensor

IGA3008-BPKG/3D

Electrical connection

Cable: 2 m, PUR; 3 x 0.50 mm²

Connection



Core colours :

BK =	black
BN =	brown
BU =	blue