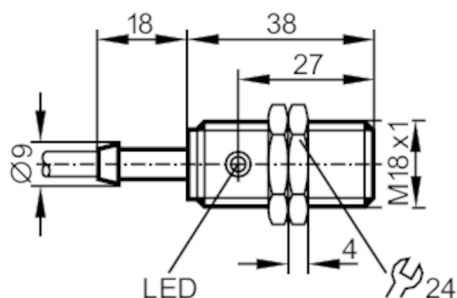




Inductive sensor

IGB3005-ANKG/20m

Article no longer available - archive entry



Product characteristics

Electrical design	NPN
Output function	normally open
Sensing range [mm]	5
Housing	Threaded type
Dimensions [mm]	M18 x 1 / L = 38

Electrical data

Operating voltage [V]	18...36 DC
Current consumption [mA]	15; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	NPN
Output function	normally open
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	125; (150 (...50 °C))
Switching frequency DC [Hz]	500
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Sensing range [mm]	5
Real sensing range Sr [mm]	5 ± 10 %
Operating distance [mm]	0...4.05

Accuracy / deviations

Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2
Hysteresis [% of Sr]	1...15
Switch-point drift [% of Sr]	-10...10

IG5245



Inductive sensor

IGB3005-ANKG/20m

Operating conditions

Ambient temperature	[°C]	-25...80
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	2279

Mechanical data

Housing		Threaded type
Mounting		flush mountable
Dimensions	[mm]	M18 x 1 / L = 38
Thread designation		M18 x 1
Material		brass white bronze coated; PC

Displays / operating elements

Display	Switching status	1 x LED, yellow
---------	------------------	-----------------

Accessories

Items supplied		lock nuts: 2
----------------	--	--------------

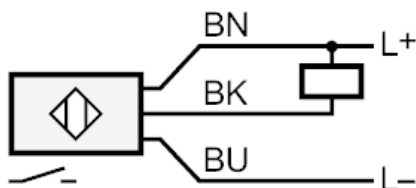
Remarks

Pack quantity		1 pcs.
---------------	--	--------

Electrical connection

Cable: 20 m, PVC; 3 x 0.5 mm²

Connection



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