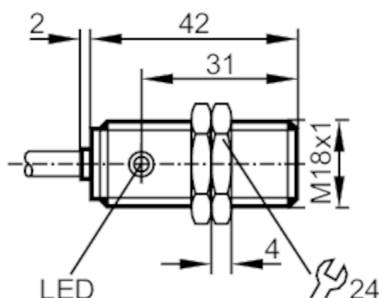




Inductive sensor

IGC2005-BRKG/UP/6M



Electrical data

Operating voltage	[V]	10...36 DC
Protection class		II
Reverse polarity protection		yes

Outputs

Electrical design		PNP/NPN
Output function		normally closed
Max. voltage drop switching output DC	[V]	4.6
Minimum load current	[mA]	4
Max. leakage current	[mA]	0.8
Permanent current rating of switching output DC	[mA]	150
Switching frequency DC	[Hz]	720
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone

Sensing range	[mm]	5
Real sensing range Sr	[mm]	5 ± 10 %

Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	3...15
Switch point drift	[% of Sr]	-10...10

Operating conditions

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

Tests / approvals

EMC		EN 60947-5-2	
		EN 55011	class B
MTTF	[years]		2642

IG5878



Inductive sensor

IGC2005-BRKG/UP/6M

Mechanical data		
Weight	[g]	287.8
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M18 x 1 / L = 42
Thread designation		M18 x 1
Materials		PBT

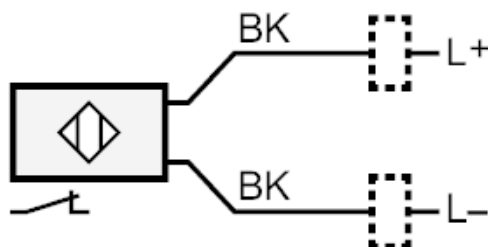
Displays / operating elements		
Display	switching status	1 x LED, yellow

Accessories	
Accessories (supplied)	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

Electrical connection	
Cable: 6 m, PVC; 2 x 0.5 mm ²	

Connection



Core colours :

BK = black