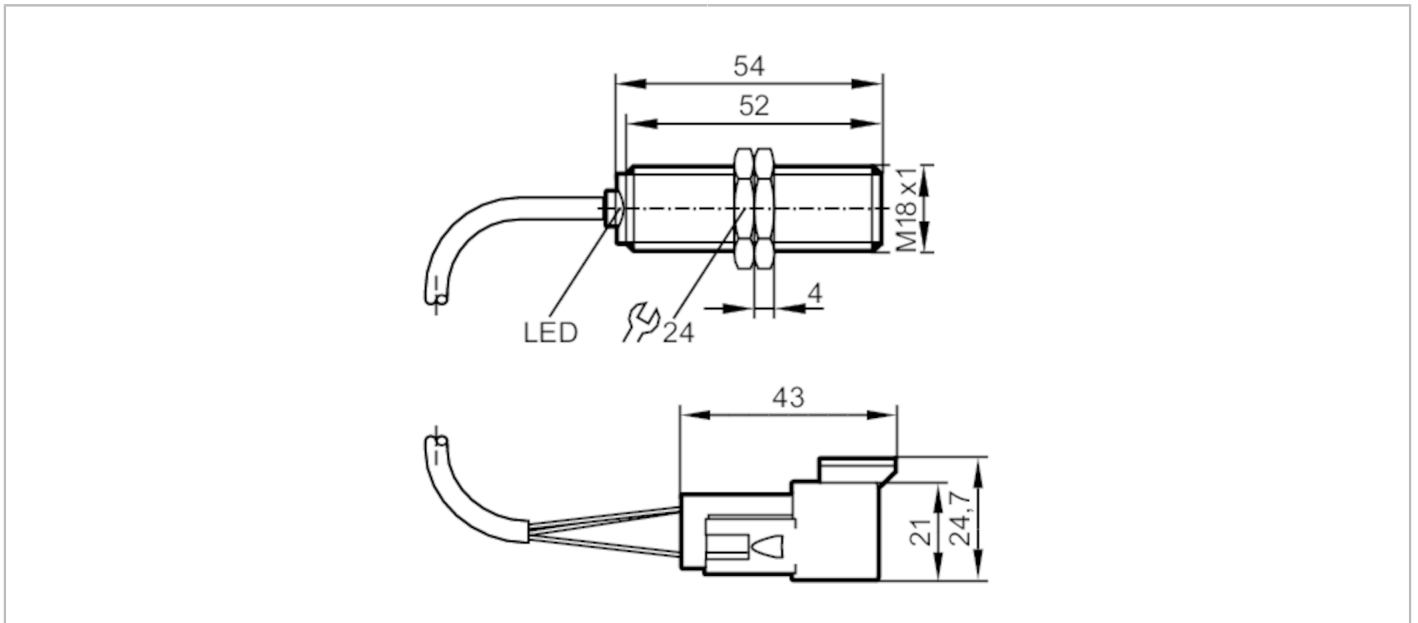


IG6118



Inductive sensor

IGK3008BBPKG/0,47M/PH/DT04-3P



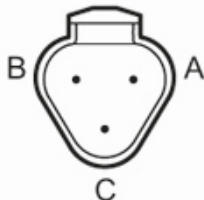
Product characteristics	
Electrical design	PNP
Output function	normally open
Sensing range [mm]	8
Housing	threaded type
Dimensions [mm]	M18 x 1 / L = 54
Application	
Special feature	Increased sensing range
Electrical data	
Operating voltage [V]	10...36 DC
Current consumption [mA]	< 15
Protection class	II
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]	250
Switching frequency DC [Hz]	500
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

IG6118



Inductive sensor

IGK3008BBPKG/0,47M/PH/DT04-3P

Detection zone		
Sensing range	[mm]	8
Operating distance	[mm]	0...6.48
Increased sensing range		yes
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...20
Operating conditions		
Ambient temperature	[°C]	-40...70
Protection		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 mains line to line
	EN 61000-4-6 HF conducted	10 V
MTTF	[years]	1610
EN 55011		class B
Mechanical data		
Weight	[g]	93
Housing		threaded type
Mounting		flush mountable
Dimensions	[mm]	M18 x 1 / L = 54
Thread designation		M18 x 1
Materials		housing: brass white bronze coated; sensing face: PBT; end cap: TPU
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Accessories (supplied)		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection - plug		
Cable: 0.47 m, PUR, Ø 5.4 mm; 3 x 0.5 mm ²		
Connector: 1 x DEUTSCH connector (DT04-3P)		
		

IG6118



Inductive sensor

IGK3008BBPKG/0,47M/PH/DT04-3P

Connection

