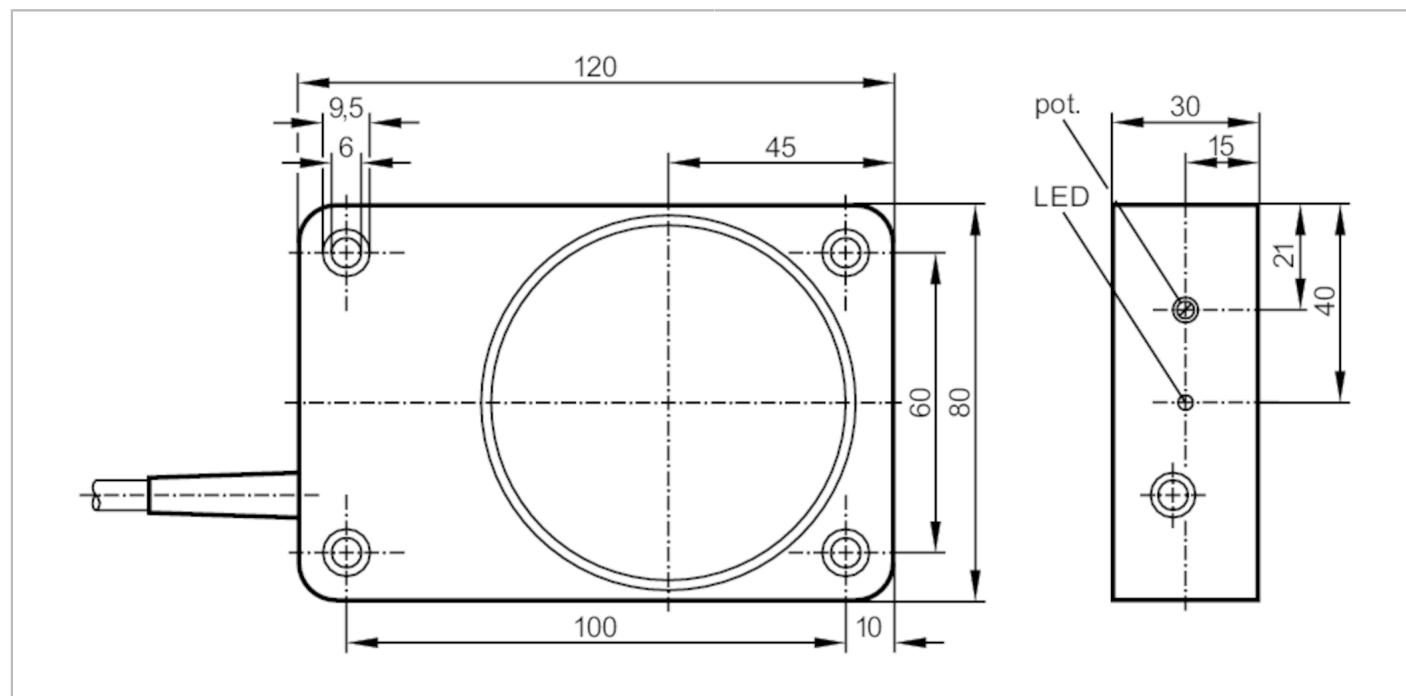


ID5033



Inductive sensor

ID-3050-BPKG/6M



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	50
Housing	rectangular
Dimensions [mm]	120 x 80 x 30

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
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]	100
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	50
--------------------	----

ID5033



Inductive sensor

ID-3050-BPKG/6M

Sensing range adjustable	yes	
Factory setting sensing range [mm]	50	
Real sensing range Sr [mm]	50 ± 10 %	
Operating distance [mm]	0...40.5	
Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminium: 0.3 / copper: 0.2	
Hysteresis [% of Sr]	1...15	
Switch point drift [% of Sr]	-10...10	
Operating conditions		
Ambient temperature [°C]	-25...80	
Protection	IP 67	
Tests / approvals		
EMC	EN 61000-4-2 ESD	- 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	3 V
	EN 55011	class B
MTTF [years]	1390	
Mechanical data		
Weight [g]	750	
Housing	rectangular	
Mounting	non-flush mountable	
Dimensions [mm]	120 x 80 x 30	
Materials	PPE	
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied	screwdriver: 1	
Remarks		
Pack quantity	1 pcs.	

ID5033



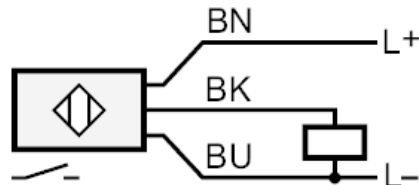
Inductive sensor

ID-3050-BPKG/6M

Electrical connection

Cable: 6 m, PVC; 3 x 0.5 mm²

Connection



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