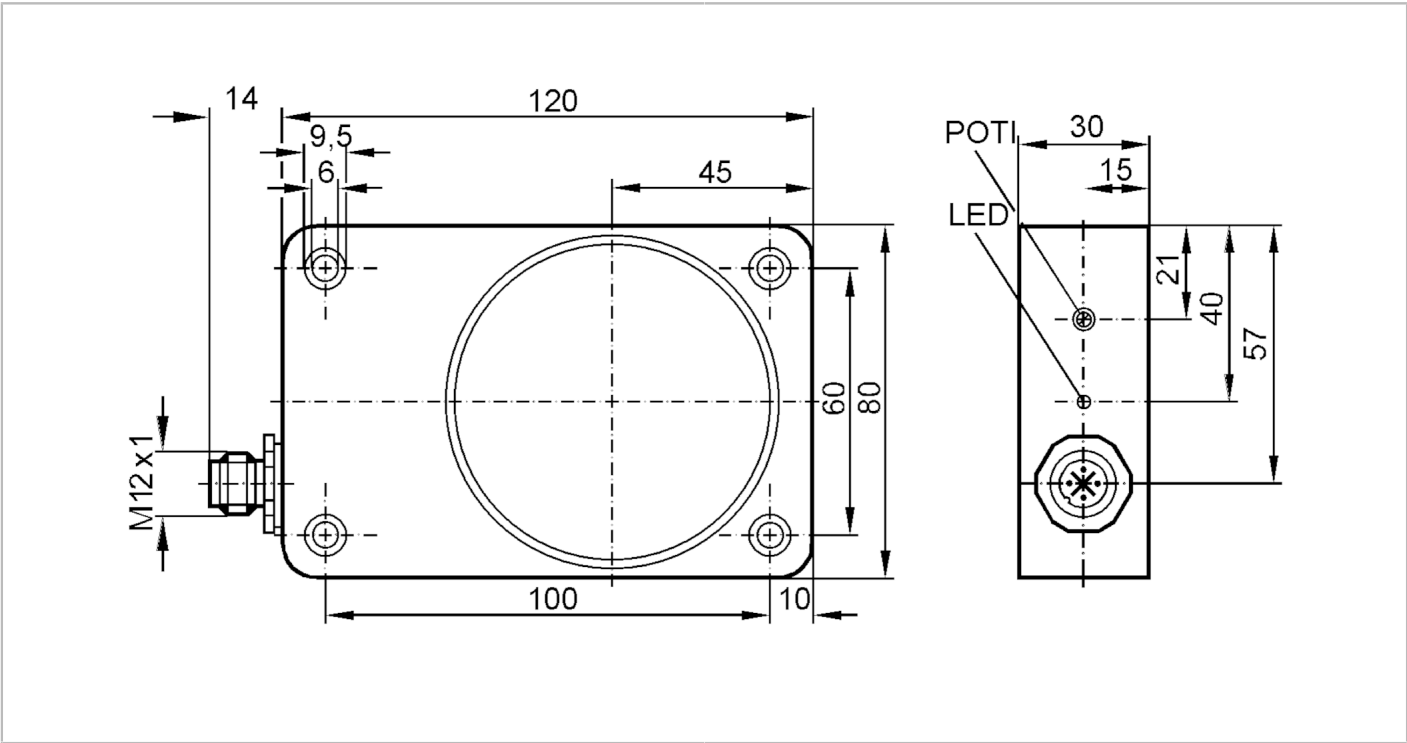


ID5063



Inductive sensor

ID-3050-BPKG/PP/US-100-DPS



Product characteristics

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

Application

Special feature	gold-plated contacts
Application	Industrial applications

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]	8
Short-circuit protection	yes



Inductive sensor

ID-3050-BPKG/PP/US-100-DPS

Type of short-circuit protection	yes (non-latching)	
Overload protection	yes	
Monitoring range		
Sensing range [mm]	50	
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: 0.5 / aluminum: 0.4 / copper: 0.3	
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 60947-5-2	
	EN 55011	class B
MTTF [years]	1390	
Mechanical data		
Weight [g]	479.5	
Housing	rectangular	
Mounting	non-flush mountable	
Dimensions [mm]	120 x 80 x 30	
Material	housing: PP black; sensing face: PP black	
Displays / operating elements		
Display	Switching status	1 x LED, yellow
Accessories		
Items supplied	screwdriver: 1	
Remarks		
Pack quantity	1 pcs.	
Electrical connection - plug		
Connector: 1 x M12; coding: A; Contacts: 4, gold-plated; Locking: stainless steel (1.4571/316Ti)		
		

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Connection

