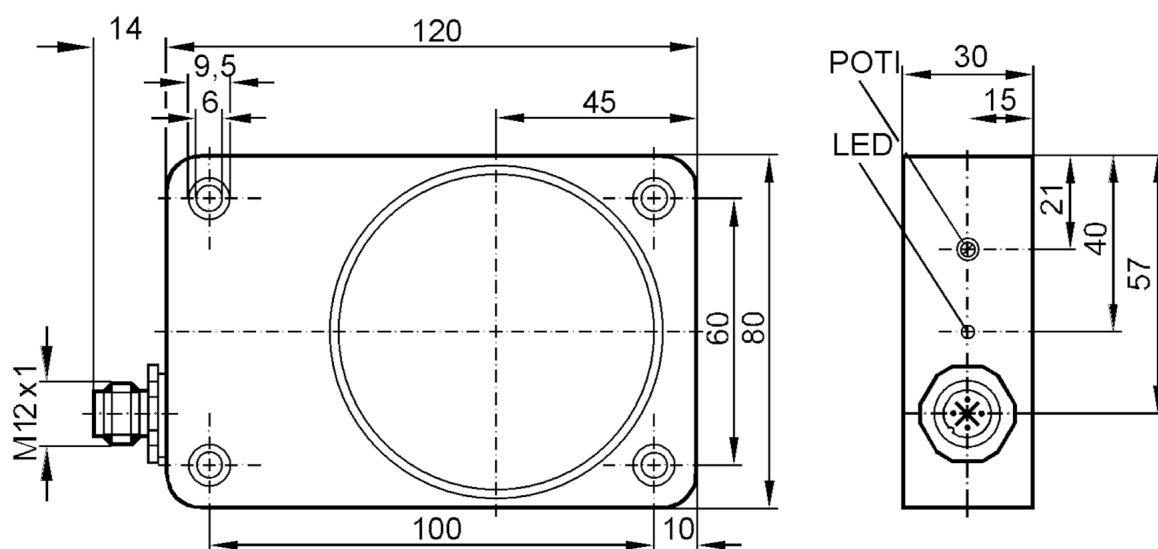


ID5063



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

System	gold-plated contacts
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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
Type of short-circuit protection		yes (non-latching)



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Overload protection	yes
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Monitoring range

Sensing range [mm]	50
Sensing range adjustable	yes
Factory setting sensing range [mm]	50
Real sensing range S_r [mm]	$50 \pm 10 \%$
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 S_r]	1...15
Switch-point drift [% of S_r]	-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
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Accessories

Items supplied	screwdriver: 1
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Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Connector: 1 x M12; coding: A; Locking: stainless steel (1.4571/316Ti); Contacts: gold-plated



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Connection

