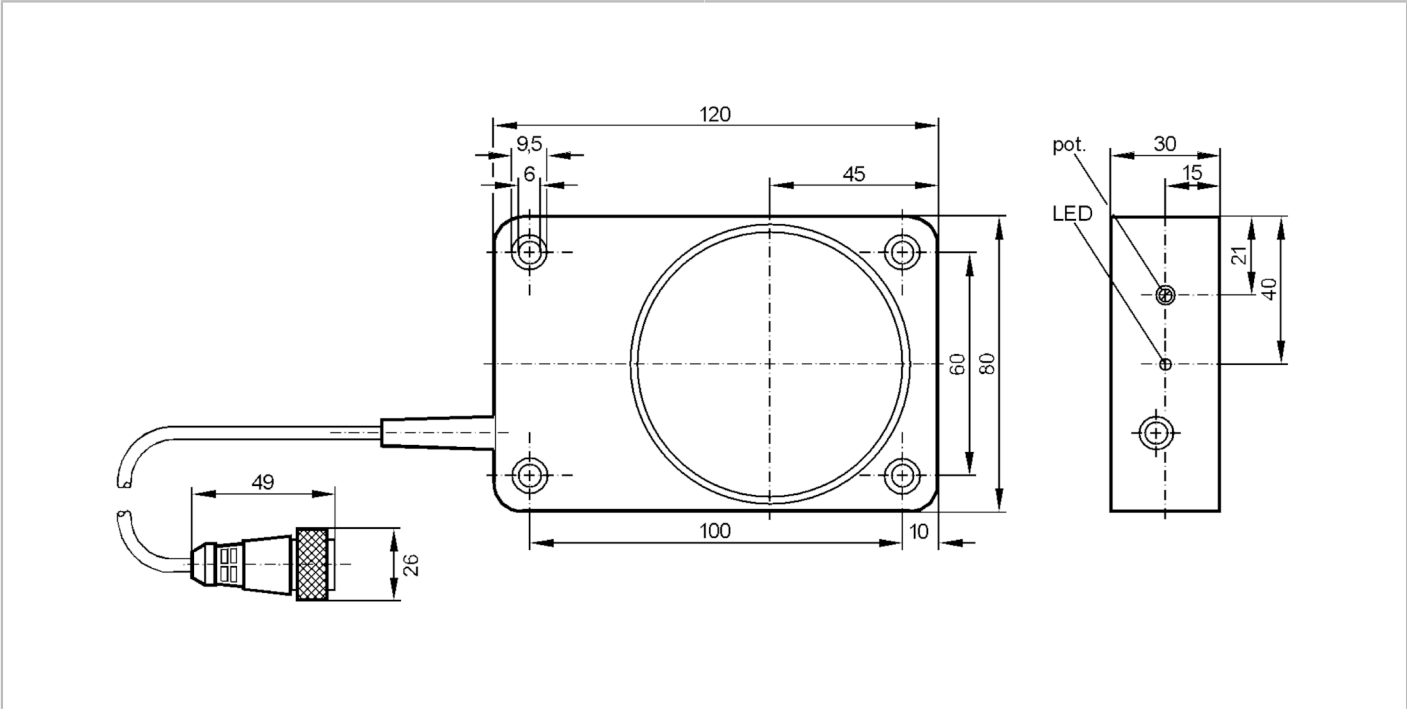




Inductive sensor

ID-2050-ARKG/2M/PVC/WS

Article no longer available - archive entry



Product characteristics

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

Electrical data

Operating voltage [V]	10...55 DC
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP/NPN
Output function	normally open
Max. voltage drop switching output DC [V]	4.5
Minimum load current [mA]	5
Max. leakage current [mA]	0.6
Permanent current rating of switching output DC [mA]	100
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: 0.4 / aluminum: 0.3 / copper: 0.2
Hysteresis [% of S_r]	1...15
Switch-point drift [% of S_r]	-10...10

Operating conditions

Ambient temperature [°C]	-25...80
Protection	IP 65

Tests / approvals

EMC	EN 60947-5-2
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Mechanical data

Housing	rectangular
Mounting	non-flush mountable
Dimensions [mm]	120 x 80 x 30
Material	PPE modified

Displays / operating elements

Display	Switching status	1 x LED, yellow
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Accessories

Items supplied	screwdriver: 1
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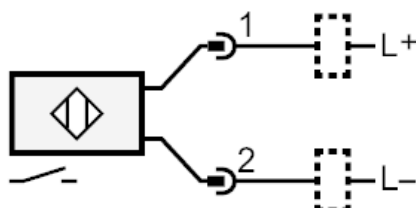
Remarks

Pack quantity	1 pcs.
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Electrical connection

Cable: 2 m, PVC

Connection



Connector: 1 x Ø 26 mm