

IM9200



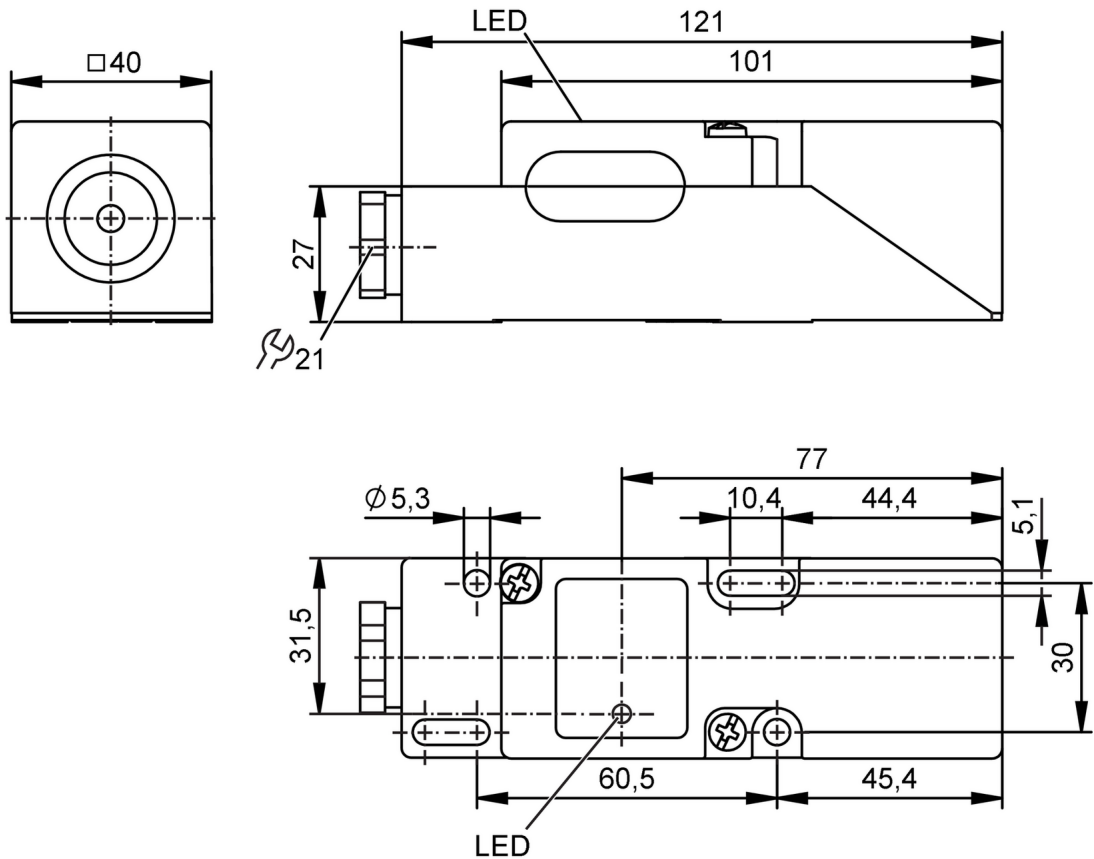
Inductive sensor

IME2015-ARKG/UP

RT

phase-out article

Discontinuation date: 03/31/2026



Product characteristics

Electrical design	PNP/NPN
Output function	normally open
Sensing range [mm]	15
Housing	rectangular
Dimensions [mm]	40 x 40 x 121

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]	4.6
Minimum load current [mA]	2
Max. leakage current [mA]	1

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Permanent current rating of switching output DC	[mA]	400
Switching frequency DC	[Hz]	300
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

Detection zone		
Sensing range	[mm]	15
Real sensing range Sr	[mm]	15 ± 10 %
Operating distance	[mm]	0...12.1
Increased sensing range		no

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 65

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 61000-4-6 HF conducted	10 V
	EN 55011	class B
	EN 60947-5-2	
MTTF	[years]	1379
Embedded software included		no

Mechanical data		
Weight	[g]	184.76
Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	40 x 40 x 121
Materials		sensing face: PPE orange; connection module: PPE black; screw: steel galvanised

Displays / operating elements		
Display	switching status	1 x LED, yellow

Remarks		
Remarks		5 positions of the active zone possible
Pack quantity		1 pcs.

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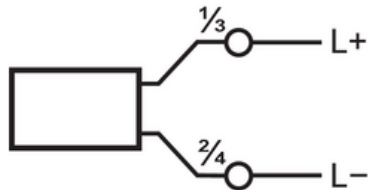
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Electrical connection

terminals: ...2.5 mm²; Cable sheath: Ø 7...13 mm; Cable gland: M20 X 1.5

Connection



Electrical connection - plug

PNP

1/3	L+	
2/4		DO (NO)

NPN

1/3		DO (NO)
2/4	L-	

DO: digital output; NO: normally open