

IV5014



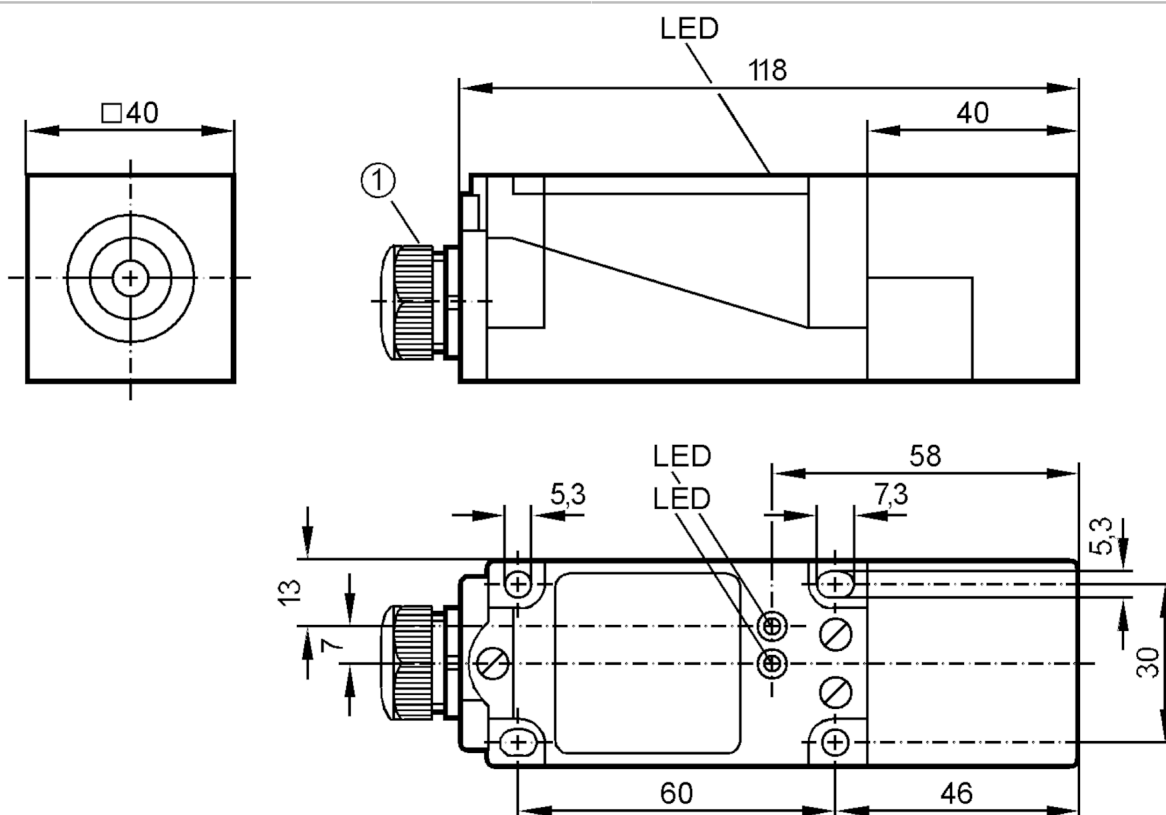
Inductive sensor

IVE4015-CPKG/3D

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Alternative articles: IM510A

When selecting an alternative article and accessories please note that technical data may differ!



1 Cable gland



Product characteristics

Electrical design	PNP
Output function	complementary
Sensing range [mm]	15
Housing	rectangular
Dimensions [mm]	40 x 40 x 118

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	20; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	complementary
Max. voltage drop switching output DC [V]	3



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Permanent current rating of switching output DC	[mA]	100
Short-time current rating of switching output	[mA]	100
Switching frequency DC	[Hz]	300
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes

Monitoring range		
Sensing range	[mm]	15
Real sensing range Sr	[mm]	15 ± 10 %
Operating distance	[mm]	0...12.1

Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.85 / aluminum: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10

Operating conditions		
Ambient temperature	[°C]	-20...60
Protection		IP 54; (when used outside the hazardous area: IP 67)

Tests / approvals		
ATEX marking		 II 3D Ex tD A22 IP54 T80°C X
EMC		EN 60947-5-2

Mechanical data		
Weight	[g]	0.251
Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	40 x 40 x 118
Material		PBT
Tightening torque for cable gland	[Nm]	3.5

Displays / operating elements		
Display	Switching status	1 x LED, yellow
	Power	1 x LED, green

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

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Electrical connection

terminals: ...2.5 mm²; Cable sheath: Ø 5.5...13 mm; Cable gland: M20 X 1.5

Connection

