

IV5050



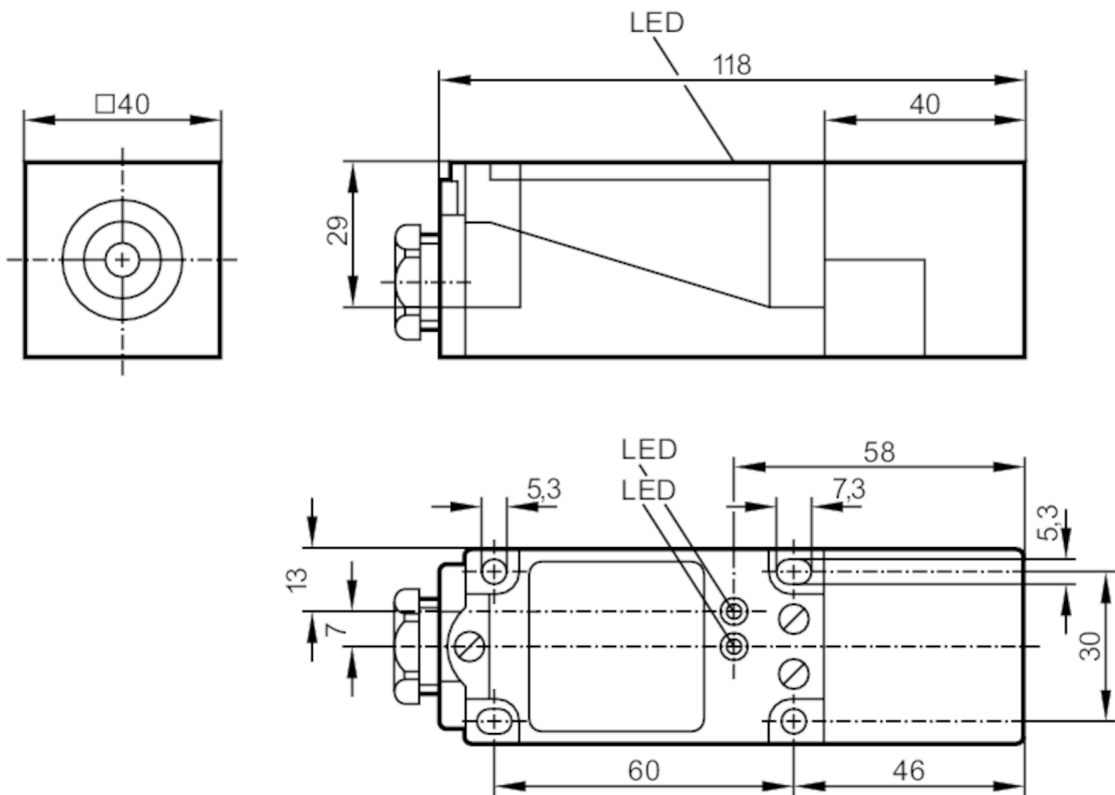
Inductive sensor

IVE4020ZCPKG

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Alternative articles: IV5053

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



Product characteristics

Electrical design	PNP
Output function	complementary
Sensing range [mm]	20
Housing	rectangular
Dimensions [mm]	40 x 40 x 118

Electrical data

Operating voltage [V]	10...30 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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Inductive sensor

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Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	150
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes
Monitoring range		
Sensing range	[mm]	20
Real sensing range Sr	[mm]	20 ± 10 %
Operating distance	[mm]	0...16.2
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...100
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	40 x 40 x 118
Material		PBT; sealing: FKM
Displays / operating elements		
Display	Switching status	1 x LED, yellow
	Power	1 x LED, green
Remarks		
Remarks		5 positions of the active zone possible
		cable gland (E11270) to be ordered separately
Pack quantity		1 pcs.

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Electrical connection

terminals: ...2.5 mm²

Connection

