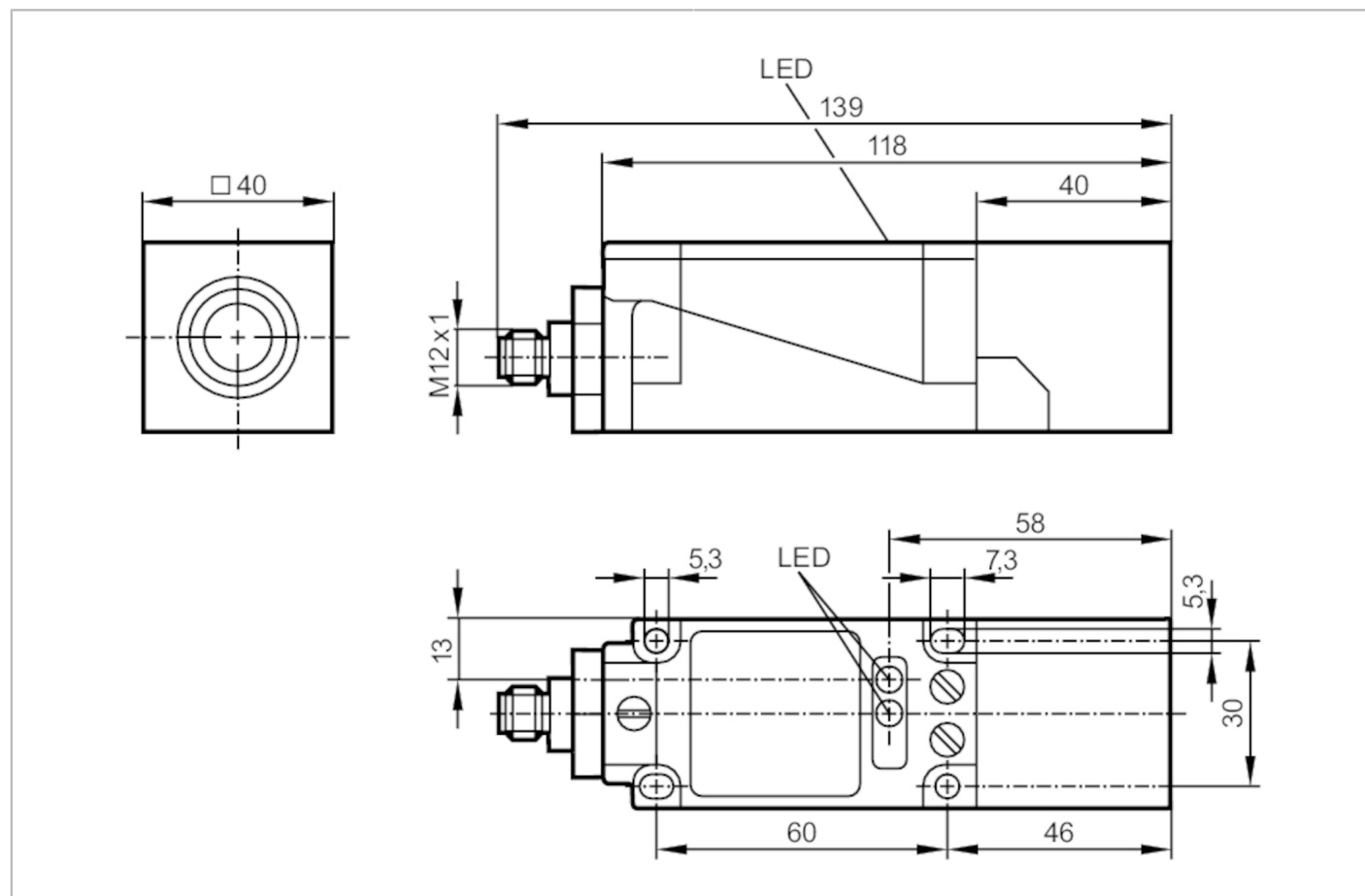


IV5025



Inductive sensor

IVE3015UBPKG/US-100-DPS



Application

Magnetic-field immune	yes
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Electrical data

Operating voltage [V]	10...60 DC
Current consumption [mA]	20; (24 V)
Protection class	II
Reverse polarity protection	yes

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	3
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	50
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

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Detection zone		
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 / brass: 0.4 / aluminium: 0.4 / copper: 0.3
Hysteresis	[% of Sr]	3...15
Switch point drift	[% of Sr]	-10...10
Operating conditions		
Ambient temperature	[°C]	-25...70
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
Mechanical data		
Weight	[g]	260.2
Housing		rectangular
Mounting		flush mountable
Dimensions	[mm]	40 x 40 x 118
Materials		PPE modified
Displays / operating elements		
Display	switching status	1 x LED, yellow
Remarks		
Remarks		5 positions of the active zone possible
Pack quantity		1 pcs.
Electrical connection - plug		
Connector: 1 x M12		
		

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Connection

