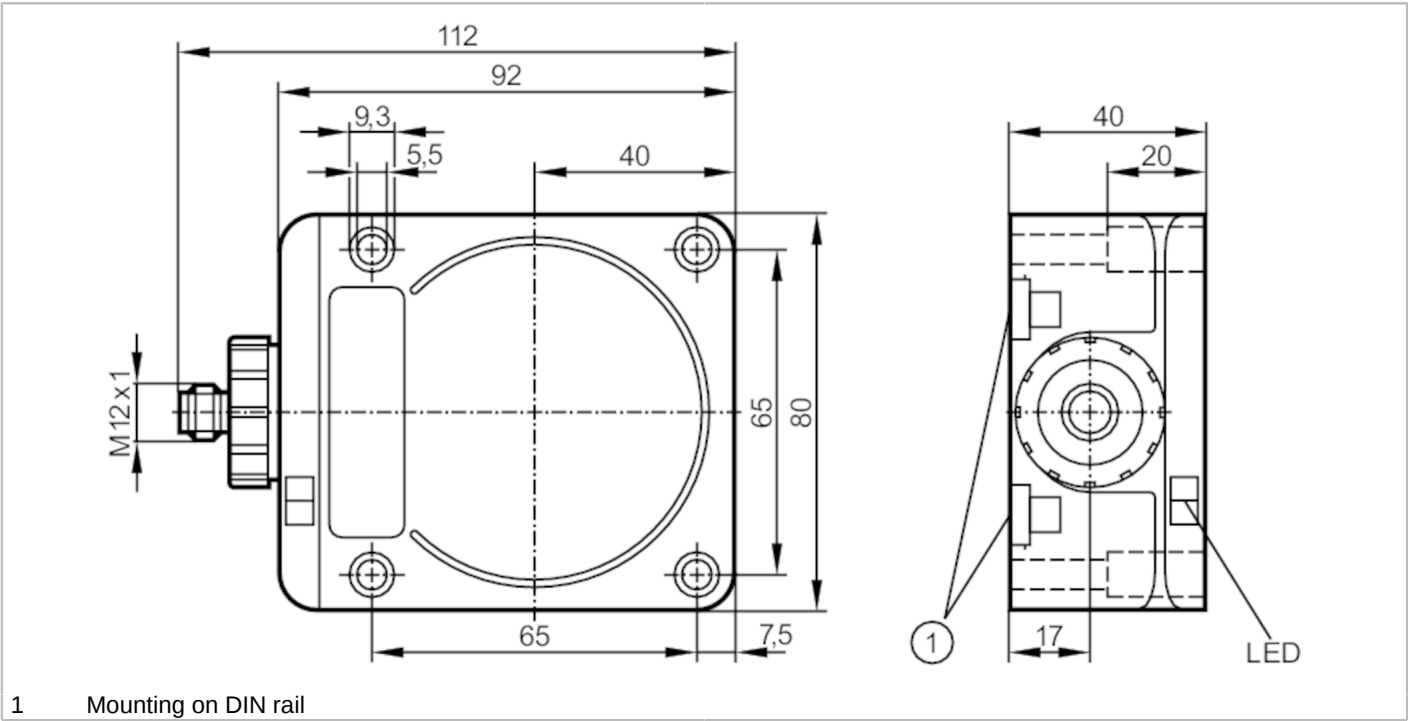


ID5055



Inductive sensor

IDC3050BBPKG/2LED/US-100-DPS



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	50
Housing		rectangular
Dimensions	[mm]	92 x 80 x 40
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	15; (24 V)
Protection class		II
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	70
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)
Overload protection		yes
Monitoring range		
Sensing range	[mm]	50



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Operating distance	[mm]	0...40.5; (mounted flush with mild steel (ST37))
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Accuracy / deviations

Correction factor		steel: 1 / stainless steel: 0.85 / brass: 0.48 / aluminum: 0.46 / copper: 0.38
Hysteresis	[% of Sr]	3...20
Switch-point drift	[% of Sr]	-15...15

Operating conditions

Ambient temperature	[°C]	-25...70
Protection		IP 67

Tests / approvals

EMC		EN 60947-5-2
MTTF	[years]	1588
UL approval	Ta	0...40 °C
	Enclosure type	Type 1
	voltage supply	Hazardous voltage
	File number UL	E174191

Mechanical data

Weight	[g]	420.5
Housing		rectangular
Mounting		flush mountable
Type of mounting		Mounting on DIN rail; (TH35 (EN 60715))
Dimensions	[mm]	92 x 80 x 40
Material		PPE; diecast zinc nickel-plated

Displays / operating elements

Display	Switching status	1 x LED, yellow
	Power	1 x LED, green

Accessories

Items supplied	sealing plug: 1
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Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Connector: 1 x M12; coding: A



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Connection

