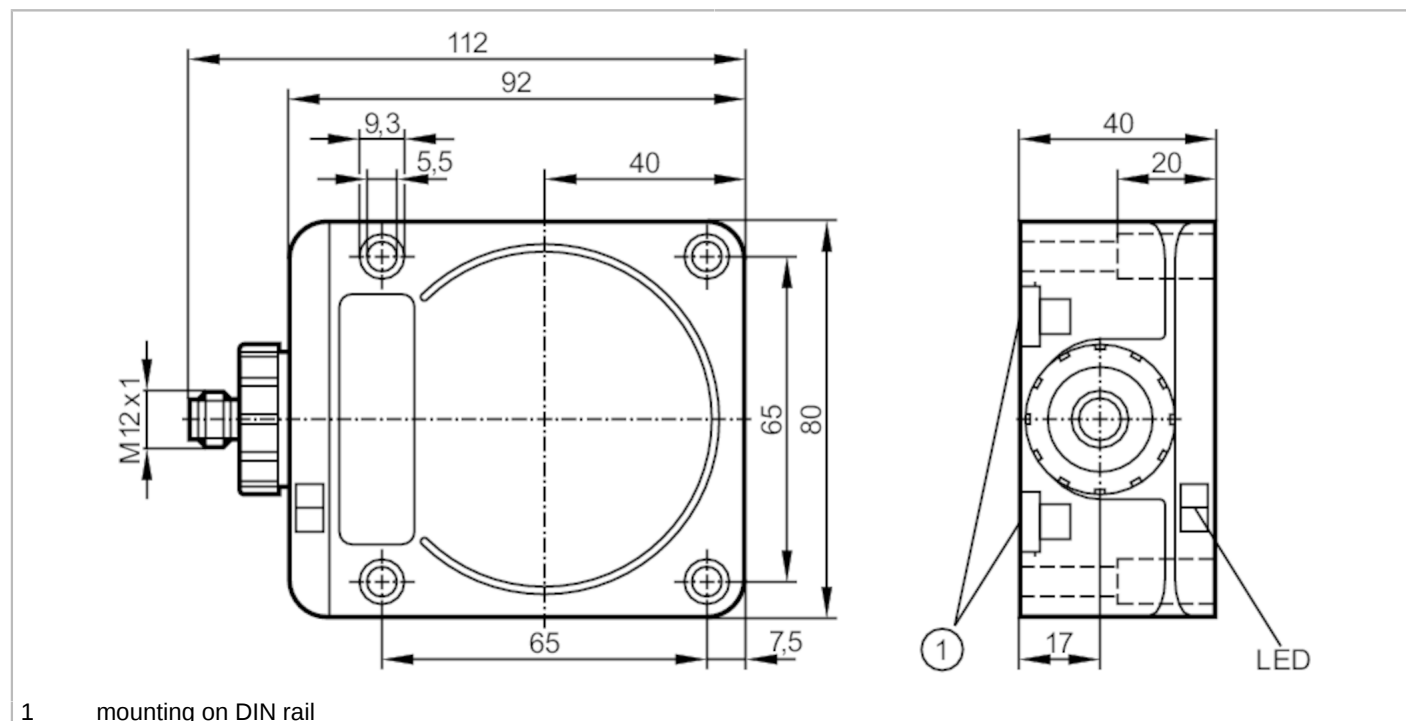


ID5075



Inductive sensor

IDC3050BANKG/US



Product characteristics

Electrical design	NPN
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	NPN
Output function	normally open
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	4
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

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: 0.7 / 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 67

Tests / approvals

EMC		EN 60947-5-2	
		EN 55011	
MTTF	[years]		2225

Mechanical data

Weight	[g]	418
Housing		rectangular
Mounting		flush mountable
Type of mounting		rail; (TH35 (EN 60715))
Dimensions	[mm]	92 x 80 x 40
Materials		PPE; diecast zinc nickel-plated

Displays / operating elements

Display	switching status	1 x LED, yellow
	operation	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

