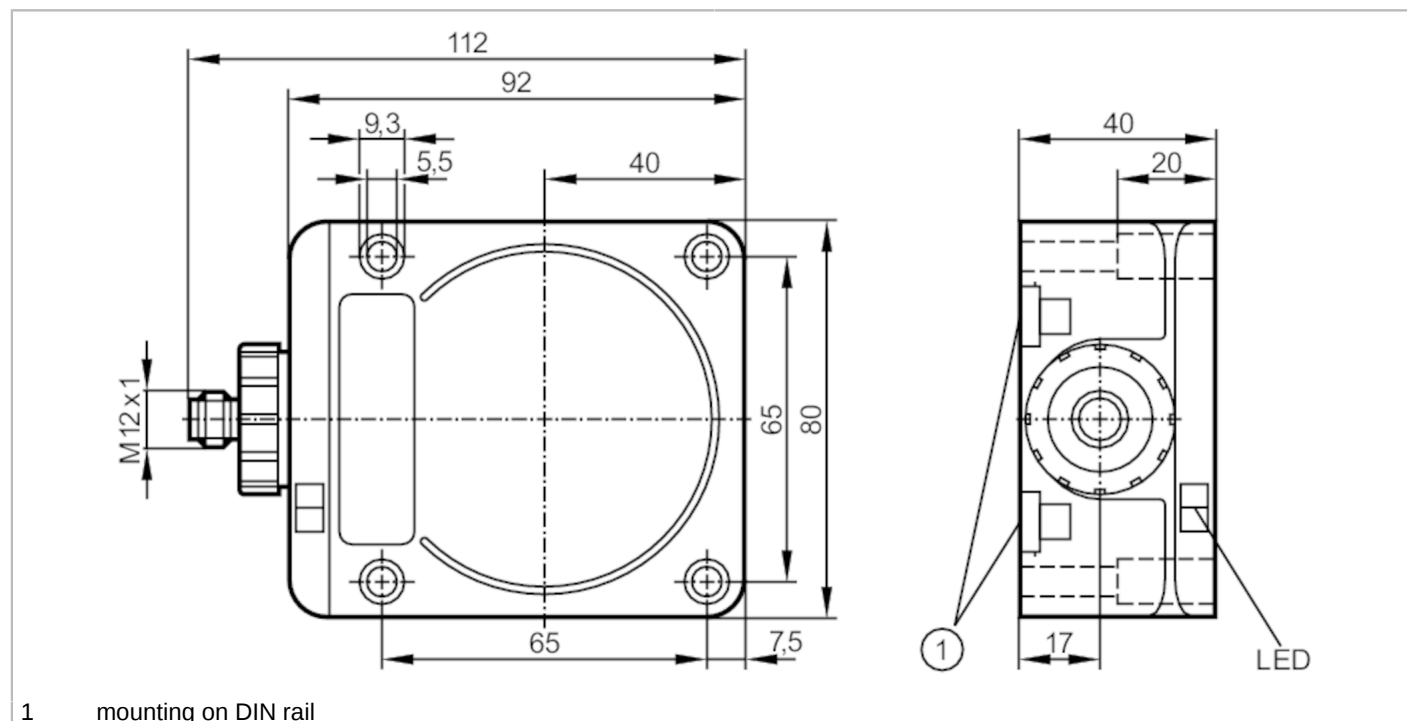


Inductive sensor

IDC4050BCPKG/F/2LED/US-100-DPA



Product characteristics

Electrical design	PNP
Output function	complementary
Sensing range [mm]	50
Housing	rectangular
Dimensions [mm]	92 x 80 x 40

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]	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	pulsed
Overload protection	yes

Detection zone

Sensing range [mm]	50
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Real sensing range Sr	[mm]	50; (mounted flush with mild steel (ST37))
Operating distance	[mm]	0...40.5; (mounted flush with mild steel (ST37); non flush: operating distance reduced by max. 5.5 mm)

Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.85 / brass: 0.48 / aluminium: 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	

Mechanical data		
Weight	[g]	423.5
Housing		rectangular
Mounting		flush mountable
Type of mounting		rail; (TH35 (EN 60715))
Dimensions	[mm]	92 x 80 x 40
Materials		PPE black; brass white bronze coated; diecast zinc

Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green

Accessories		
Items supplied		sealing plug: 1

Remarks		
Pack quantity		1 pcs.

Electrical connection - plug

Connector: 1 x M12; coding: A





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Connection

