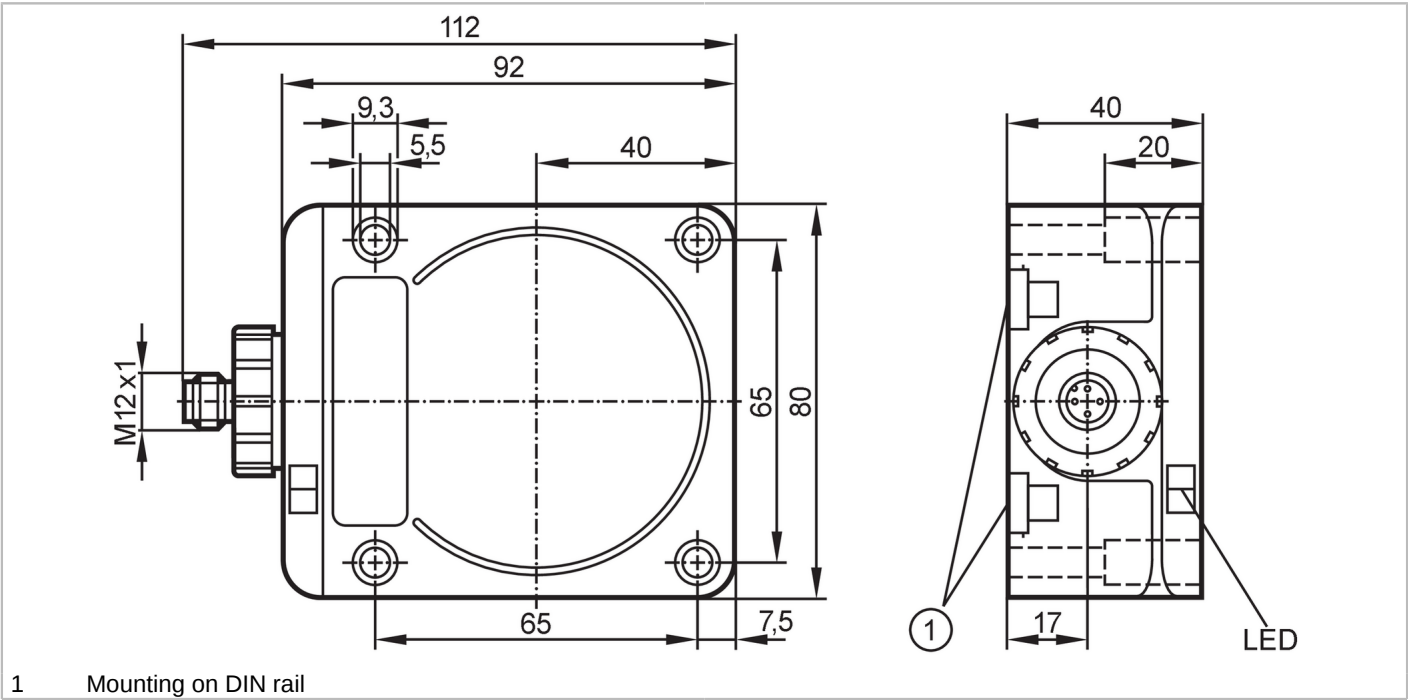




Inductive sensor

IDC2050BARKG/UP/US-100 RT



Product characteristics		
Electrical design		PNP/NPN
Output function		normally open
Sensing range	[mm]	50
Housing		rectangular
Dimensions	[mm]	92 x 80 x 40
Application		
Application		Industrial applications
Electrical data		
Operating voltage	[V]	10...55 DC
Protection class		II
Reverse polarity protection		yes
Outputs		
Electrical design		PNP/NPN
Output function		normally open
Max. voltage drop switching output DC	[V]	4.6
Minimum load current	[mA]	4
Max. leakage current	[mA]	0.6
Permanent current rating of switching output DC	[mA]	400
Switching frequency DC	[Hz]	90
Short-circuit protection		yes
Type of short-circuit protection		yes (non-latching)



Inductive sensor

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Overload protection	yes	
Monitoring range		
Sensing range	[mm]	50
Operating distance	[mm]	0...40.5; (mounted flush with mild steel (ST37))
Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2	
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	
	EN 55011	class B
MTTF	[years]	1631
Mechanical data		
Weight	[g]	399
Housing	rectangular	
Mounting	flush mountable	
Type of mounting	Mounting on DIN rail; (TH35 (EN 60715))	
Dimensions	[mm]	92 x 80 x 40
Material	PPE; brass nickel-plated	
Displays / operating elements		
Display	Switching status	1 x LED, red
Accessories		
Items supplied	sealing plug: 1	
Remarks		
Pack quantity	1 pcs.	
Electrical connection - plug		
Connector: 1 x M12; coding: A; Contacts: 4		
		

ID9922



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Connection

