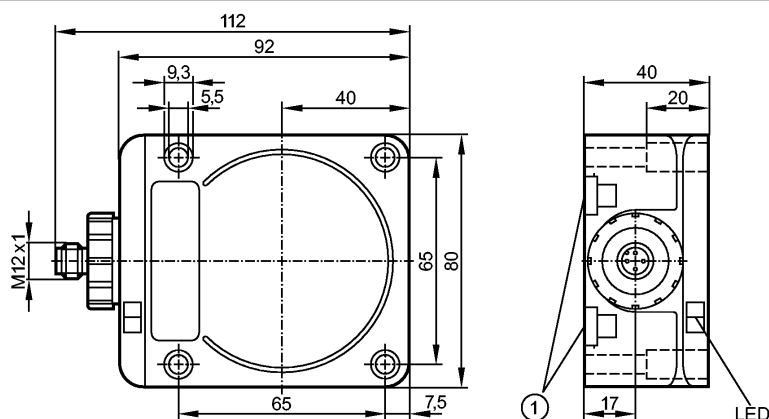


ID9922

IDC2050BARKG/UP/US-100 RT

Inductive sensors



1: Mounting on DIN rail



Made in Germany

Product characteristics

Inductive sensor

Rectangular, plastics

Connector

Sensing range 50 mm; reduction of the operating distance for non-flush installation max. 5.5 mm; [f] flush mountable

Electrical data

Electrical design	DC PNP/NPN
Operating voltage [V]	10...55 DC
Protection class	II
Reverse polarity protection	yes

Outputs

Output function	normally open
Voltage drop [V]	< 4.6
Minimum load current [mA]	4
Leakage current [mA]	< 0.6
Current rating [mA]	400
Short-circuit protection	pulsed
Overload protection	yes
Switching frequency [Hz]	90

Range

Sensing range [mm]	50, reduction of the operating distance for non-flush installation max. 5.5 mm
Real sensing range (Sr) [mm]	50; when mounted flush with steel (ST37)
Operating distance [mm]	0...40.5; when mounted flush with steel (ST37)

Accuracy / deviations

Correction factors	mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / Al approx. 0.3 / Cu approx. 0.2
Hysteresis [% of Sr]	3...20
Switch-point drift [% of Sr]	-15...15

Environment

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

Tests / approvals

ID9922

IDC2050BARKG/UP/US-100 RT

Inductive sensors

EMC	EN 60947-5-2 EN 55011:	class B
MTTF	[Years]	1631

Mechanical data

Mounting	flush mountable
Housing materials	Brass nickel-plated; PPE
Installation	rail TH35 (to EN 60715)
Weight	[kg] 0.397

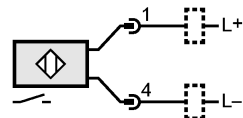
Displays / operating elements

Output status indication	LED	Red
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Electrical connection

Connection	M12 connector
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Wiring



Accessories

Accessories (included)	sealing plug
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Remarks

Pack quantity	[piece]	1
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