

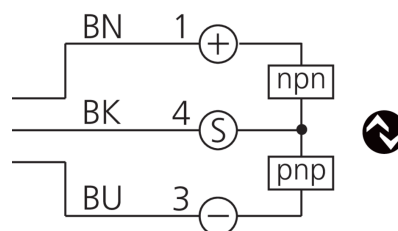
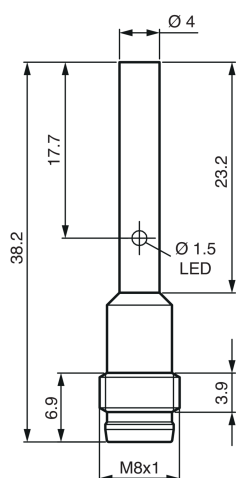


214377

INM-D04/38V-B1.3G3-T3

Inductive proximity sensor

- IO-Link
- Short-circuit protection
- LED
- High protection type



BK: black

BN: brown

BU: blue

Function



Technical data (typ.)

+20°C, 24 V DC

Electrical features

Service voltage	10 ... 30 V DC
Internal power consumption	< 15 mA
Ripple	< 10 %
Inverse polarity protection	Yes
Short-circuit protection	Yes

Mechanical features

Installation type	Flush
Diameter	Ø 4.0 mm (Diameter)
Housing length	38.2 mm
Housing material	Stainless steel
Material of sensor probe	PBT
Weight	6 g

Certifications, approvals

Protection class	III, operation on protective low voltage
Approvals	UL



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Inductive proximity sensor

Technical data (typ.)		+20°C, 24 V DC
General features		
Operating principle	inductive	
Evaluation	digital	
Design	Cylinder	
Design	Miniature design	
Product series	INM Miniature	
Functional scope		
Scope of delivery	Sensor	
Output, input, interface		
Switching output	Push-pull/PNP/NPN, 100 mA, NO/NC, switchable via IO-Link	
Voltage drop (max.)	1.2 V DC (100 mA)	
Detection range, measuring range, tolerance limits		
Switching distance (SN)	1.3 mm	
Standardized measuring plate	4.5 x 4.5 x 1 mm	
Switching hysteresis (max.)	1 ... 20 %	
Display, operation		
Sensitivity adjustment	IO-Link	
LED Anzeige	Yes	
Time behavior		
Switching frequency	4500 Hz	
Ambient conditions		
Shock/vibration load	30 g, 11 ms / 10 ... 55 Hz, 1.0 mm	
Ambient temperature during operation	-25 ... +70 °C	
Ambient temperature storage	-30 ... +80 °C	
Ambient humidity operation	35 ... 95 %	
Ambient humidity storage	35 ... 95 %	
Temperature drift	< 10 %/Sn	
Protection type	IP 67	
Electrical connection		
Connection	Connector, M8, 3-pin, A-coded	
More information / accessories		https://www.di-soric.com/214377