

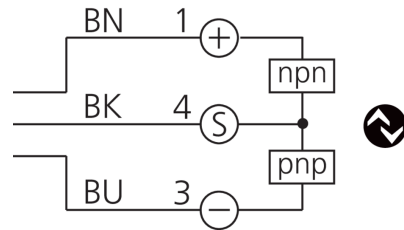
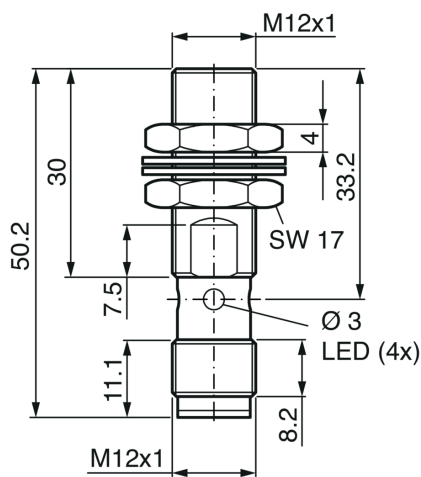


214389

INE-M12/50V-B04G3-B3

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
No-load current (max.)	< 20 mA
Ripple	< 10 %
Inverse polarity protection	Yes
Short-circuit protection	Yes

Mechanical features

Installation type	Flush
Thread	M12 x 1
Housing length	50.2 mm
Housing material	Nickel brass
Material of sensor probe	PBT
Weight	30 g
Tightening torque	10 Nm

Certifications, approvals

Protection class	III, operation on protective low voltage
Approvals	UL


214389
INE-M12/50V-B04G3-B3
Inductive proximity sensor
Technical data (typ.)
+20°C, 24 V DC
General features

Operating principle	inductive
Evaluation	digital
Design	Thread
Product series	INE Industrial

Functional scope

Scope of delivery	Sensor, 2 x M12 nuts, 2 x washers
-------------------	-----------------------------------

Output, input, interface

Switching output	Push-pull/PNP/NPN, 200 mA, NO/NC, switchable via IO-Link
Voltage drop (max.)	2.5 V DC (100 mA)
Interface	IO-Link V1.1.5

Detection range, measuring range, tolerance limits

Switching distance (SN)	4 mm
Standardized measuring plate	12 x 12 x 1 mm
Switching hysteresis (max.)	1 ... 20 %

Display, operation

Sensitivity adjustment	IO-Link
LED Anzeige	Yes
Display	LED green - Switching output, yellow - Overload display

Time behavior

Switching frequency	2000 Hz
---------------------	---------

Ambient conditions

Shock/vibration load	30 g, 11 ms / 10 ... 55 Hz, 1.0 mm
Ambient temperature during operation	-40 ... +70 °C
Ambient temperature storage	-40 ... +80 °C
Ambient humidity operation	35 ... 95 %
Ambient humidity storage	35 ... 95 %
Protection type	IP 67

Electrical connection

Connection	Connector, M12, 3-pin, A-coded
------------	--------------------------------

More information / accessories
<https://www.di-soric.com/214389>