

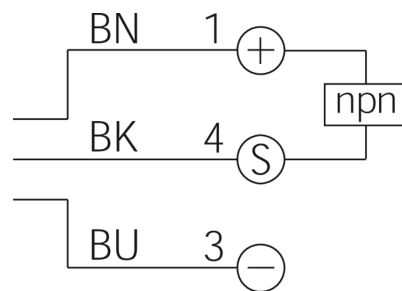
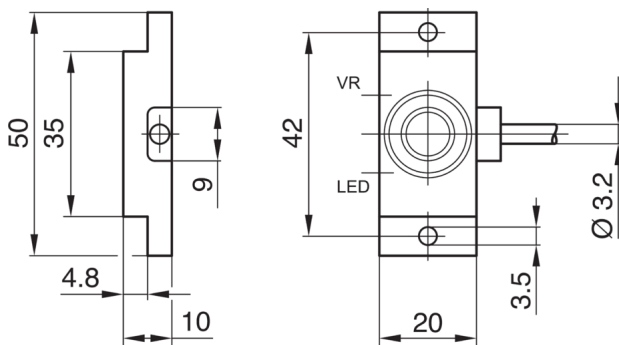


215443

KNS-R20/50K-N10NS-2C3

Capacitive proximity sensor

- Compact, flat sensor
- Sensing surface on the top side
- Screw fastening
- LED display on the front side



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.)	< 10 mA
Inverse polarity protection	Yes
Short-circuit protection	Yes

Mechanical features

Installation type	non-flush
Housing dimensions	50 x 20 mm
Housing length	50 mm
Housing height	10 mm
Housing width	20 mm
Material	PBT (Sensor probe)

Certifications, approvals

Protection class	III, operation on protective low voltage
------------------	--

General features

Operating principle	Capacitive
Evaluation	digital
Design	Cuboid design

Functional scope

Scope of delivery	Sensor
-------------------	--------

**215443****KNS-R20/50K-N10NS-2C3****Capacitive proximity sensor****Technical data (typ.)****+20°C, 24 V DC****Output, input, interface**

Switching output	npn, 200 mA, NO
Voltage drop (max.)	1.5 V

Detection range, measuring range, tolerance limits

Switching distance (SN)	10 mm
Switching hysteresis (max.)	< 15 %

Time behavior

Switching frequency (factory setting)	100 Hz
---------------------------------------	--------

Ambient conditions

Ambient temperature during operation	-25 ... +120 °C
Protection type	IP 67

Electrical connection

Connection	Cable, 2.0 m, 3-pin
------------	---------------------

More information / accessories<https://www.di-soric.com/215443>