

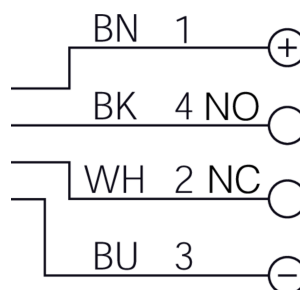
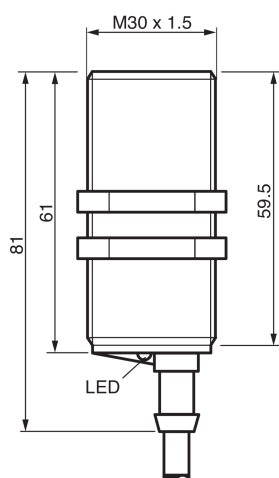
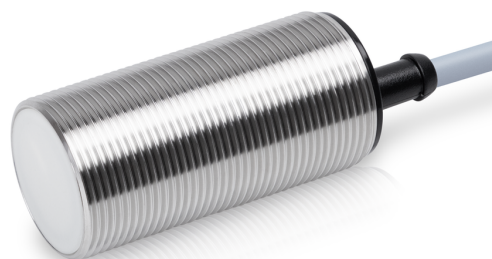


215245

KNS-M30/81V-B16PS-2C4

Capacitive proximity sensor

- Increased voltage range of 10 ... 40 V DC
- Temperature-resistant sensor surface up to 120°C
- Metal casing
- PEEK surface, resistant to abrasive substances



BK: black

BN: brown

BU: blue

WH: white

Function



Technical data (typ.)

+20°C, 24 V DC

Electrical features

Service voltage	10 ... 40 V DC
No-load current (max.)	< 20 mA
Inverse polarity protection	Yes
Short-circuit protection	Yes
Insulation voltage endurance	50 V DC

Mechanical features

Installation type	Flush
Thread	M30 x 1.5
Housing length	81 mm
Housing material	Stainless steel (AISI316L)
Material of cable	PVC
Material	PBT (Sensor probe)
Weight	250 g
Tightening torque	30 Nm

Certifications, approvals

Protection class	III, operation on protective low voltage
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Capacitive proximity sensor

Technical data (typ.)		+20°C, 24 V DC
General features		
Operating principle	Capacitive	
Design	Thread	
Functional scope		
Scope of delivery	Sensor, 2 x M30 nuts, Setting tool	
Output, input, interface		
Switching output	pnp, 200 mA, NO/NC	
Voltage drop (max.)	1 V (200 mA)	
Interface	No	
Detection range, measuring range, tolerance limits		
Switching distance (SN)	16 mm (0 ... 16 mm adjustable)	
Standardized measuring plate	24 x 24 x 1 mm	
Switching hysteresis (max.)	< 8 %	
Display, operation		
Sensitivity adjustment	Potentiometer (16-turn)	
Time behavior		
Switching frequency	50 Hz	
Ambient conditions		
Ambient temperature during operation	-30 ... +85 °C	
Ambient temperature storage	-40 ... +85 °C	
Ambient humidity operation	35 ... 95 %	
Ambient humidity storage	35 ... 95 %	
Protection type	IP 67 / IP 68 (60 min.)	
Electrical connection		
Connection	Cable, 2.0 m, 4-pin	
More information / accessories		https://www.di-soric.com/215245