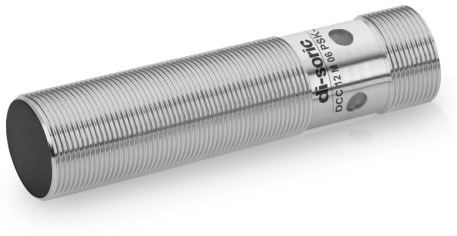
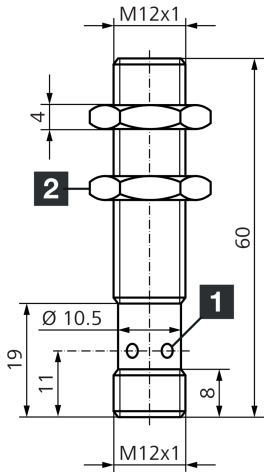
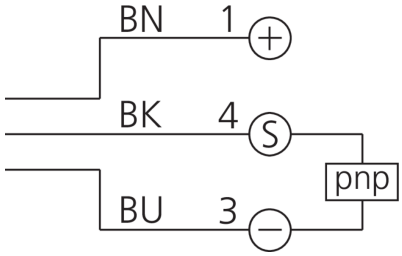
209419
D7B 12 VB 03 PS-B3
Inductive proximity sensor

- Closed, all-steel sleeve
- Same operating distance to steel and aluminum
- Housing and sensing face made of stainless steel
- Insensitive to aggressive cleaning agents, environmental influences and hot filings
- Metal connector
- Integrated amplifier
- Protection against short-circuit and reverse polarity
- LED







1) LED 4 x 90° (yellow) 2) Width over flats 17 mm 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	< 10 mA
Insulation voltage endurance	According to IEC 60947-5-2 (7.2.3.1)
Mechanical features	
Installation type	Flush
Thread	M12 x 1
Housing length	60 mm
Housing material	Stainless steel (V2A 1.4305 / AISI 303)
Certifications, approvals	
Protection class	III, operation on protective low voltage
Approvals	UL
General features	
Operating principle	inductive
Evaluation	digital
Design	Thread
Characteristics	pressure-resistant, < 80 bar, Full-metal casing closed
Design	Solid metal housing

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Inductive proximity sensor

Technical data (typ.)	+20°C, 24 V DC
Product series	INW Full metal
Functional scope	
Scope of delivery	Sensor, 2 x M12 nuts
Output, input, interface	
Switching output	pnp, 200 mA, NO
Voltage drop (max.)	2 V
Detection range, measuring range, tolerance limits	
Switching distance (SN)	3 mm
Standardized measuring plate	12 x 12 x 1 mm
Switching hysteresis (max.)	15 %
Time behavior	
Switching frequency	100 Hz
Ambient conditions	
Ambient temperature during operation	-25 … +70 °C
Protection type	IP 68 / IP 69K
Electrical connection	
Connection	Connector, M12, 4-pin, A-coded
Accessories	
Connection cable	VK …

More information / accessories	https://www.di-soric.com/209419

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