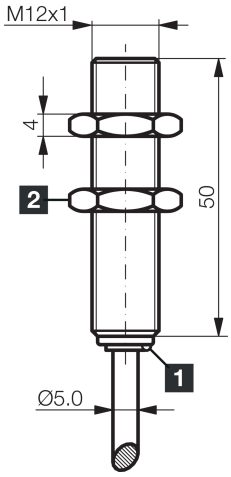
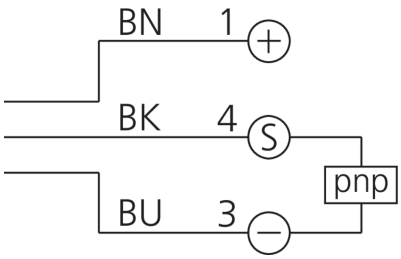
200042
D7C 12 V 06 POLK
Inductive proximity sensor

- Closed, all-steel sleeve
- 3-times the standard operating distance
- 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
- Highly flexible cable
- Integrated amplifier
- Short-circuit protection
- Starting pulse suppression
- LED





1) LED 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	< 12 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	51 mm
Housing material	Stainless steel
Material of cable	Polyurethane
Tightening torque	20 Nm
Certifications, approvals	
Protection class	III, operation on protective low voltage
Approvals	UL
General features	
Operating principle	inductive
Evaluation	digital
Design	Thread

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Technical data (typ.)	+20°C, 24 V DC
Characteristics	extremely high operating distance, < 80 bar, Full-metal casing closed, pressure-resistant
Design	Solid metal housing
Product series	INW Full metal
Functional scope	
Scope of delivery	Sensor, 2 x M12 nuts
Output, input, interface	
Switching output	pnp, 200 mA, NC
Voltage drop (max.)	2 V
Detection range, measuring range, tolerance limits	
Switching distance (SN)	6 mm
Standardized measuring plate	18 x 18 x 1 mm
Switching hysteresis (max.)	15 % (5 % typ.)
Time behavior	
Switching frequency	400 Hz
Ambient conditions	
Ambient temperature during operation	-25 … +70 °C
Protection type	IP 69K
Electrical connection	
Connection	Cable, 2.0 m (flying leads)

More information / accessories	https://www.di-soric.com/200042

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