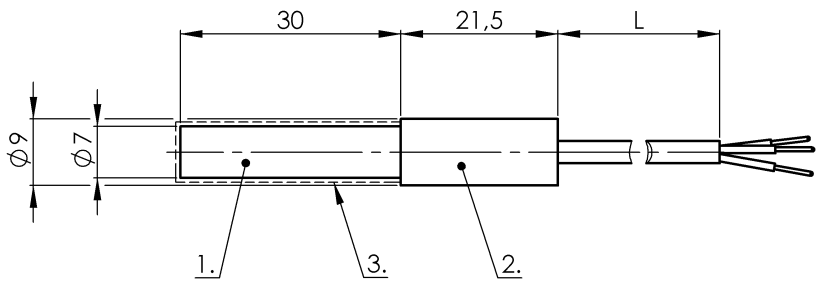


Capacitive Sensors
BCS S20TT01-POLFAG-ET02
Order Code: BCS009E

BALLUFF



1) Active area, 2) Housing, 3) IP68



Basic features

Sensitivity	set, potentiometer fixed
Series	S20

Electrical connection

Cable length L	2 m
Conductor cross-section	0.20 mm ²
Number of conductors	3
Polarity reversal protected	no
Protection against device mix-ups	yes
Short-circuit protection	no

Electrical data

Operating voltage U _b	10...30 VDC
Rated insulation voltage U _i	75 V DC
Rated operating current I _e	50 mA
Ready delay t _v max.	100 ms
Residual current I _r max.	10 µA
Ripple max. (% of U _e)	10 %
Switching frequency	10 Hz
Voltage drop static max.	1.5 V

Environmental conditions

Ambient temperature	5...100 °C
IP rating	IP68, IP66 at cable exit

Interface

Switching output	PNP normally closed (NC)
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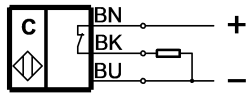
Material

Cover material	PTFE
Housing material	PTFE
Material jacket	PTFE
Material sensing surface	PTFE

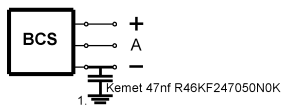
Mechanical data

Dimension	Ø 7 x 51.5 mm
Installation	non-flush
Size	D7.0

Wiring Diagrams



Installation remarks



1) Machine GND