

CE Series

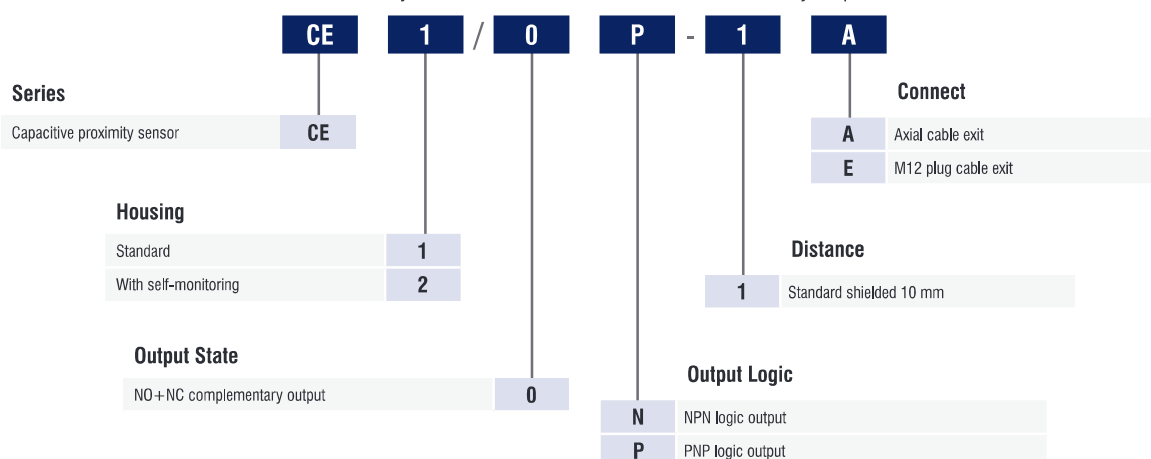
Ø 20mm cylindrical capacitive sensors

- Models with or without self-monitoring
- Sensitivity adjustment with trimmer
- NO + NC complementary output
- Stainless steel housing
- IP65 protection degree
- Complete protection against electrical damages
- Axial cable exit or M12 plastic plug cable exit




Options and Ordering Codes

Note: The feasibility of a code number does not mean the effective availability of a product

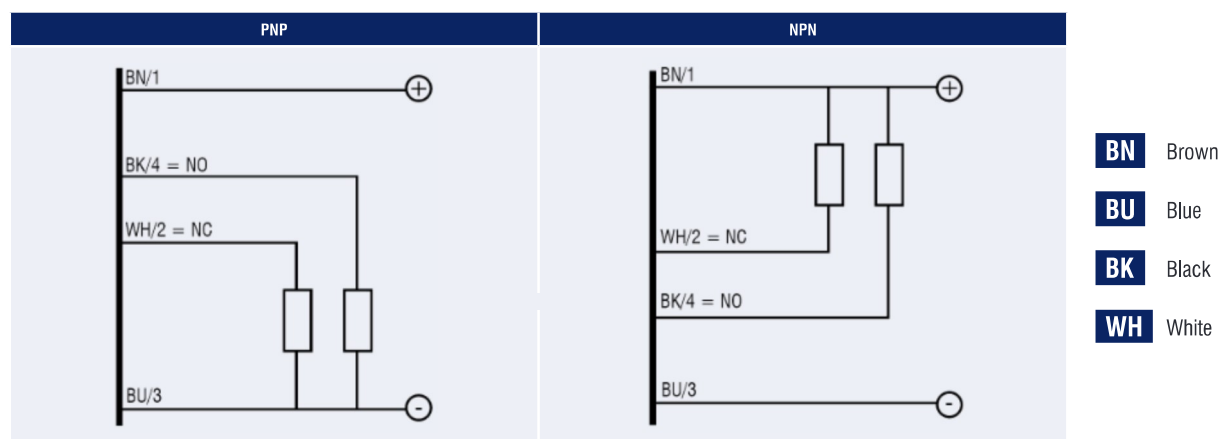


Available Models

Diameter	Installation	Distance (mm)	Plug	Self-monitoring	PNP/NO + NC
Ø 20	Shielded	10	Cable	-	CE1/0P-1A
			M12		CE1/0P-1E
			Cable	•	CE2/0P-1A
			M12		CE2/0P-1E

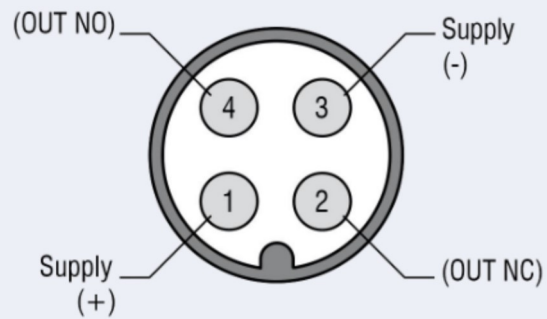
	CE1/0P-1*	CE2/0P-1*
		
Nominal sensing distance S_n	10 mm	
Operating distance	1.5...7.2 mm (shielded)	
Hysteresis	2...15%	
Repeatability	5%	
Supply voltage	10...30 Vdc	
Ripple	$\leq 15\%$	
No-load supply current	17 mA	
Load current	≤ 100 mA	
Leakage current	≤ 1 μ A	
Voltage drop	1.5V max. $I_L = 100$ mA	
Output type	NPN or PNP NO+NC - open collector	
Switching frequency	300 Hz	
Self-monitoring pulse frequency	Period 4-8 ms (6.2 ms nominal) duration 150-300 μ s (220 μ s nominal)	
Power supply protections	Polarity reversal, transient	
Output protection	Short circuit (autoreset)	
Temperature range	$-25^{\circ}\text{...}+70^{\circ}\text{C}$	
Temperature drift	20% Sr	
EMC	In conformity with the EMC Directive, according to IEC 60947-5-2	
Shocks and vibrations	IEC 60947-5-2	
Protection degree	IP 65	
LEDs	Yellow (NO output energized)	
Housing material	Stainless steel	
Active head material	LCP	
Weight	80 g M12 connector / 200 g cable	

Electrical Diagrams of Connections



Plug

M12 - NO+NC

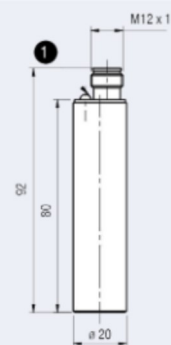


Dimensions (mm)

CE*/0*-1A



CE*/0*-1E



1 LED 2 TRIMMER