

Capacitive 4-wire DC 20mm diameter Proximity Switch CE1

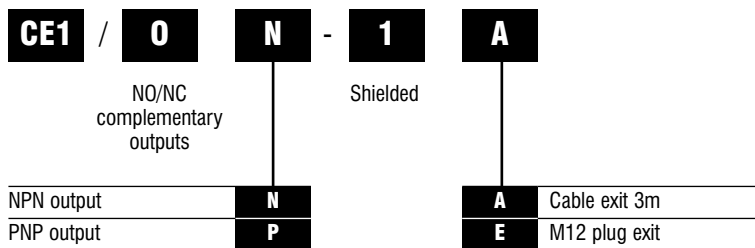


Smooth-bodied stainless-steel capacitive proximity switch suitable for food industry use

- Sensitivity adjustment with 20 turn trimmer
- Dual outputs NO and NC in every sensor
- All metal housing
- In line cable exit models with high flexibility cable
- M12 plastic plug-in exit models
- Can detect metallic and non-metallic objects
- LED indication on all models
- Protection degree IP65
- Protection against electrical failure
- Nominal sensing distance 1.5-10mm



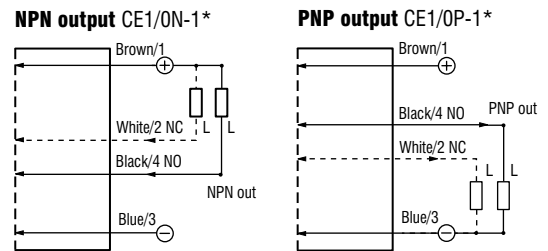
Options and ordering codes



Specification

Hysteresis	≤ 15% (nominal 10%)
Repeat accuracy	5%
Operating voltage	10-30V DC
Ripple	≤ 15%
No-load supply current	17mA
Load current	≤ 100mA
Leakage current	≤ 1μA
Voltage drop	1.5V max. I _L =100mA
Output type	NPN or PNP NO/NC antivalent (dual outputs NO and NC)
Switching frequency	300Hz
Supply electrical protection	polarity reversal - transient
Output electrical protection	short circuit (autoreset), inductive loads
Transient noise protection	0.8J (10/1000μs)
Fast transient withstand	2000V (IEC801-4 III)
Short circuit threshold	150mA
Temperature range	-25° ... +70°C
Temperature drift	20% nominal sensing range
Protection degree	IEC IP65
LED indicators	Yellow (NO output energised)
Housing material	stainless steel
Sensing face material	high temperature LCP (Liquid Crystal Polymer) to UL94VO
Cable	4x0.34mm ² , ø5mm, 3m, PVC CEI 2022 II
Weight (approx)	200g

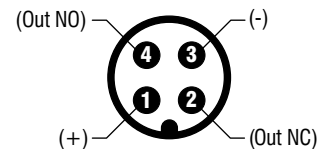
Wiring connections



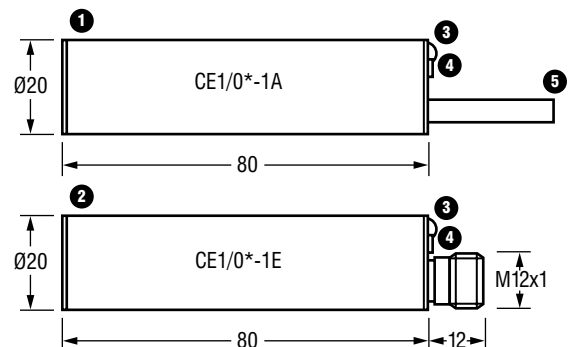
Note: in case of combined load, i.e. resistive and capacitive, the maximum admissible capacity (C) is 0.2μF for maximum output voltage and current

M12 Connector

CE1/0*-1E



Dimensions mm



- 1 In line cable exist (CE1/0*-1A)
- 2 M12 standard plug-in exit (CE1/0*-1E)
- 3 LED (NO output energised)
- 4 20 turn sensitivity trimmer
- 5 Cable 4x34mm², ø5mm, 3m PVC CEI 2022 II 9high flexibility cable)