



CE

CE1/0P-1A

Cap.d20,PNP-NO+NC,Cable,Sch-STD
Ø 20 MM CYLINDRICAL CAPACITIVE SENSORS

OVERVIEW

- 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



TECHNICAL FEATURES

Detection properties

Nominal sensing distance	1,5...10mm
--------------------------	------------

Thermal drift of Sr	< 20%
---------------------	-------

Repeat Accuracy	5%
-----------------	----

Sensitivity adjustment	Yes
------------------------	-----

Hysteresis	≤ 20%
------------	-------

Outputs	
Output type	PNP
Output Function	NO + NC
Switching frequency	300Hz
Electrical data	
Operating Voltage	10..30Vdc
No-Load supply current	≤ 17mA
Load current	≤ 100mA
Leakage current	≤ 1μA
Output voltage drop	1,5V - max. IL=100mA
Max ripple content	≤15%
LED indicators	Yellow LED (object detected)
Time delay before availability	≤ 200ms
Short-circuit protection	Yes, autoreset
Reverse Polarity Protection	Yes
Impulsive Overvoltage Protection	Yes
Mechanical data	
Dimensions	ø20 / L = 80mm

Mounting	Shielded
Housing material	AISI 303 Stainless Steel
Weight	200g
Connections	2m PVC cable
Active Head Material	LCP
Operating temperature	-25°C...+70°C
Diameter/Dimension	ø20

Test/Approvals

Approvals	CE cULus
EMC compatibility	IEC 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27
Degree of protection	IP65

Accessories

Supplied Accessories	screw driver
----------------------	--------------

Generical Data

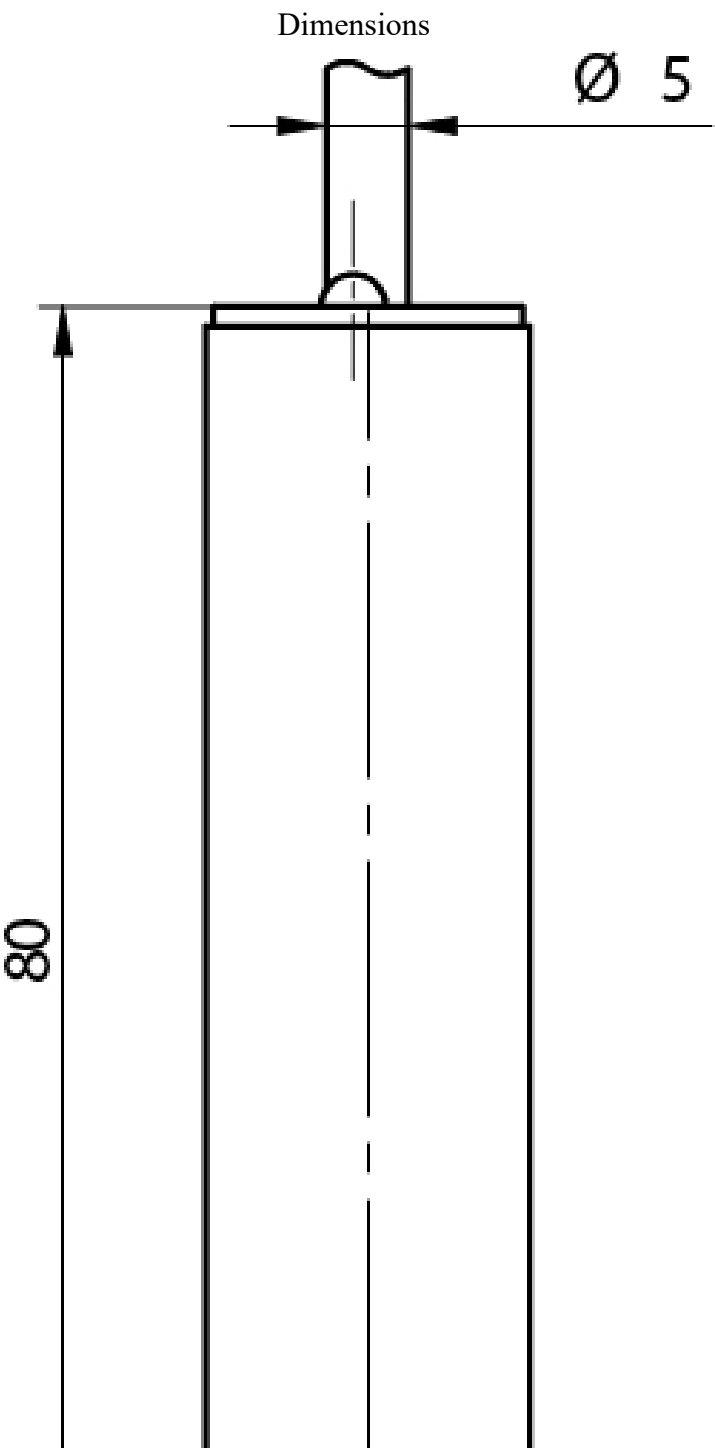
Dimensions	ø20 / L = 80mm
Operating Temperature	-25°C...+70°C (without freeze)
Mechanical Protection	IP65

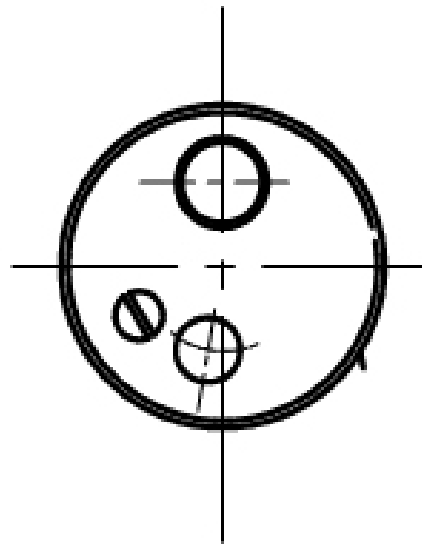
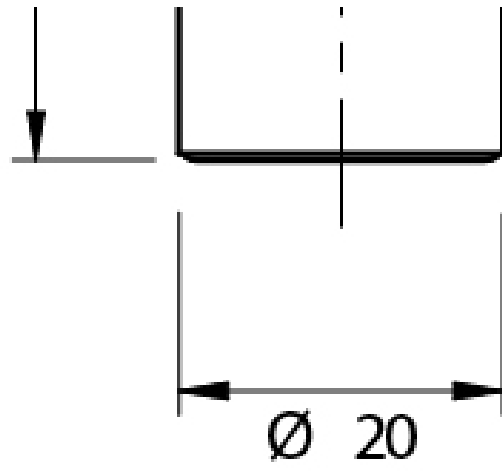
CONNECTIONS

Eletrical diagram

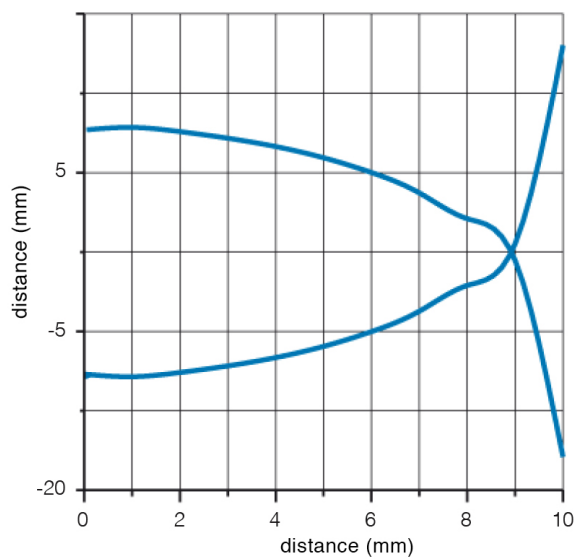


OTHERS





Response curves



**Datasensing
S.r.l.**

Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411
Fax 059 253973
E-mail
info@datasensing.com

**date of
printing**
10/08/2026
07:47:14