



C12

C12P/00-3E

**Cap.M12,NPN/PNP-NO/NC,M12
,Sch/Nsch-LD**
M12 CYLINDRICAL CAPACITIVE SENSORS

OVERVIEW



TECHNICAL FEATURES

Detection properties

Nominal sensing distance	0,5...4mm shielded; 0,5...8mm unshielded
--------------------------	--

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

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

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

Hysteresis	≤ 20%
------------	-------

Outputs

Output type	NPN/PNP
-------------	---------

Output Function	NO/NC
Switching frequency	≤15Hz
Electrical data	
Operating Voltage	10...40Vdc
No-Load supply current	≤ 12mA
Load current	≤ 200mA
Leakage current	≤ 300μA
Output voltage drop	≤ 2,5V @ IL = 200mA
Max ripple content	≤10%
LED indicators	Yellow LED (object detected), green LED power supply/stability
Time delay before availability	≤ 200ms
Short-circuit protection	polarity reversal, overvoltage
Reverse Polarity Protection	Yes
Impulsive Overvoltage Protection	Yes
Mechanical data	
Mounting	Shielded/Unshielded
Dimensions	M12 x 1 / L = 80mm
Weight	30g

Housing Material	Polyester
Connections	M12 plug
Active Head Material	Polyester
Operating temperature	-35°C...+85°C (without freeze)
Storage temperature	-40°C...+85°C
Diameter/Dimension	M12

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	IP67

Accessories

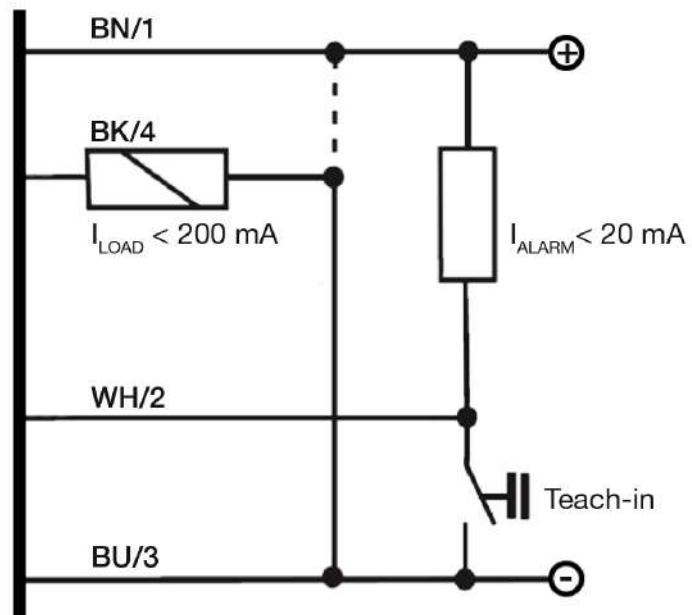
Supplied Accessories	2 x M12 nuts
----------------------	--------------

Generical Data

Dimensions	M12 x 1 / L = 80mm
Operating Temperature	-35°C...+85°C (without freeze)
Mechanical Protection	IP67

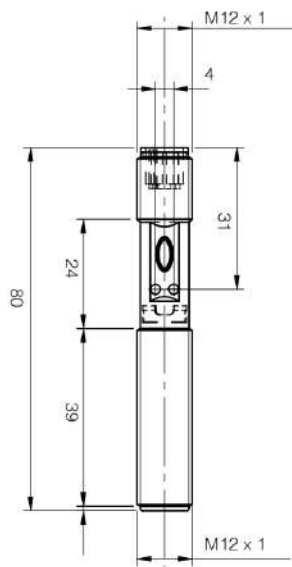
CONNECTIONS

Eletrical diagram

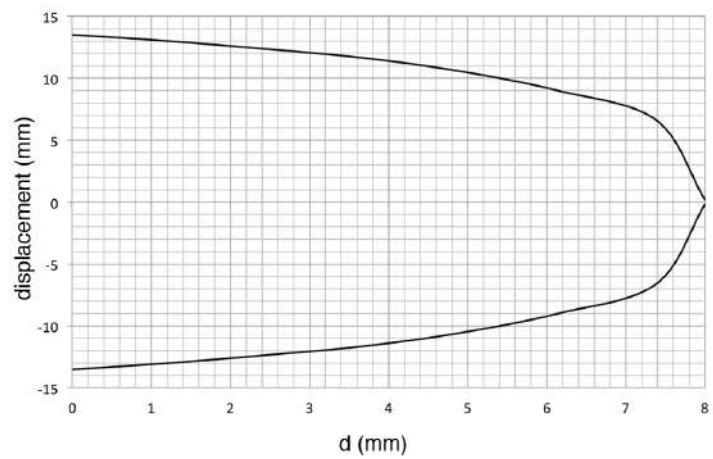


OTHERS

Dimensions



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**
02/07/2024
10:48:12