

C12P/00-3E

capacitive

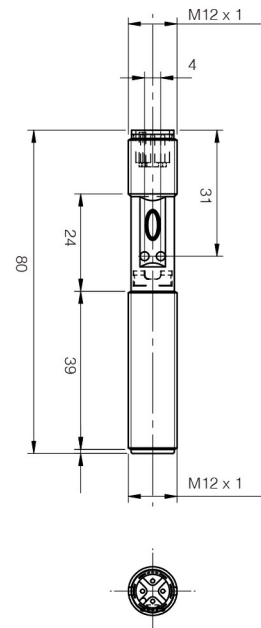


Micro Detectors

Italian Sensors Technology



Indicative image



Detection properties

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

Thermal drift of Sr < 20%

Repeat Accuracy 5%

Sensitivity adjustment Yes - auto teach

Hysteresis ≤ 20%

Outputs

Output type PNP + NPN

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

Dimensions	M12 x 1 / L = 80mm
Mounting	Shielded/Unshielded
Weight	30g
Housing Material	thermoplastic polyester
Connections	M12 plug
Active Head Material	thermoplastic polyester
Operating temperature	-35°C...+85°C (without freeze)
Storage temperature	-40°C...+85°C

Test/Approvals

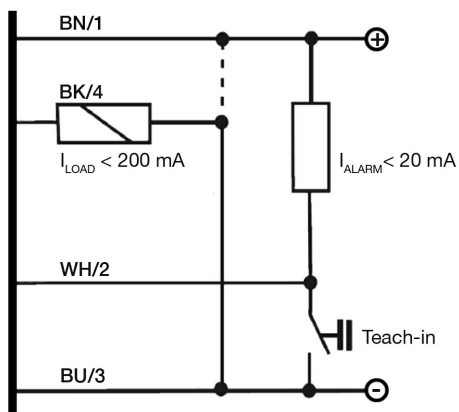
Approvals	CE cULus
EMC compatibility	IEC 60947-5-2
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27
Degree of protection	IP 67 (IEC 60529) NEMA 1,3,4,6,13

Accessories

Supplied Accessories	2 x M12 nuts
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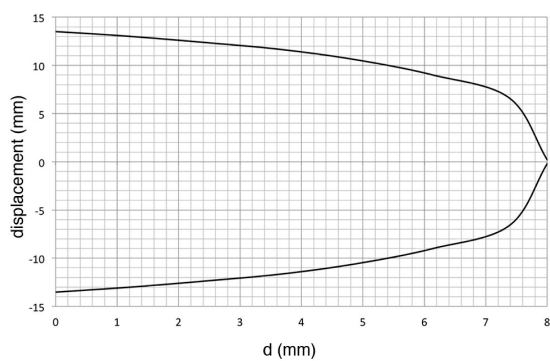
ELECTRICAL DIAGRAMS OF THE CONNECTIONS



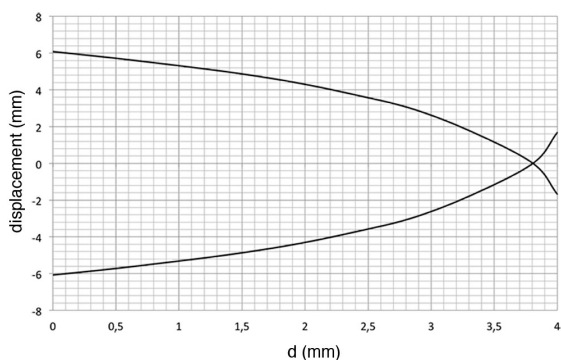


RESPONSE CURVES

Non schermato



Schermato



41122 Modena (MO)
Tel. 059 420411
Fax 059 253973
E-mail info@microdetectors.com



HEMOMATIK

Länna, S-142 50 SKOGÅS
Stockholm, Sweden

Order tel 08-771 00 04
Order fax 08-771 62 00

Växel 08-771 02 20
Teknisk 08-771 35 80

Email info@hemomatik.se
Internet www.hemomatik.se