C30P/BN-2A

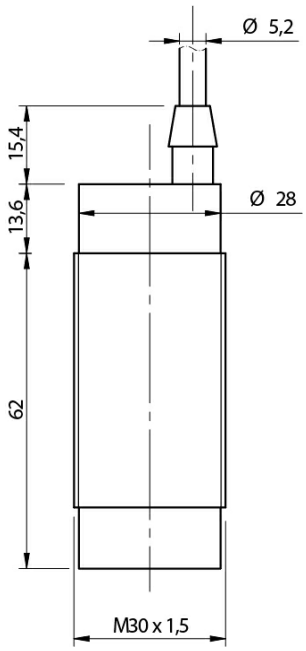
C30



Indicative image

M30 CYLINDRICAL CAPACITIVE SENSORS

- DC or AC supply voltage
- High noise immunity
- Shielded and unshielded models
- Adjustable sensitivity
- Metallic or plastic housing



Detection properties

Nominal sensing distance	4...25mm
Thermal drift of Sr	< 20%
Repeat Accuracy	5%
Sensitivity adjustment	Yes
Hysteresis	≤ 20%

Outputs

Output type	NPN
Output Function	NO + NC
Switching frequency	30Hz

Electrical data

Operating Voltage	10...40Vdc
No-Load supply current	≤ 12mA
Load current	≤ 200mA
Leakage current	≤ 100µA

Output voltage drop	2,5Vmax @ IL=200mA
Max ripple content	≤10%
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

Mounting	Unshielded
Dimensions	M30 / L = 91mm
Weight	180g
Housing Material	Polyester
Connections	2m PVC cable
Active Head Material	Polyester
Tightening torque	50Nm
Operating temperature	-25°C...+80°C (without freeze)
Storage temperature	-40°C...+85°C
Diameter/Dimension	M30

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

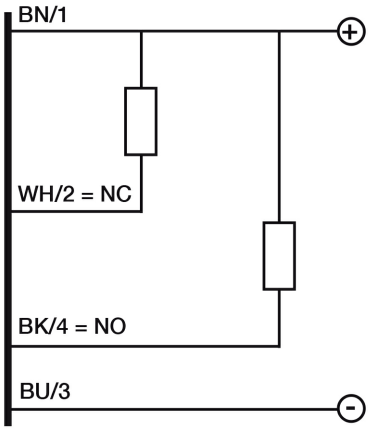
Accessories

Supplied Accessories	screw driver, 2 x M30 nuts

Generical Data

Dimensions	M30 / L = 91mm
Operating Temperature	-25°C...+80°C (without freeze)
Mechanical Protection	IP67

ELECTRICAL DIAGRAMS OF THE CONNECTIONS



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