C18P/BP-1A

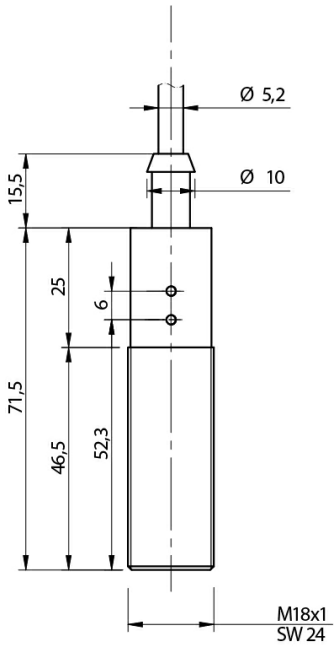
C18



Indicative image

M18 CYLINDRICAL CAPACITIVE SENSORS

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



Detection properties

Nominal sensing distance	3...8mm
Thermal drift of Sr	< 20%
Repeat Accuracy	5%
Sensitivity adjustment	Yes
Hysteresis	≤ 20%

Outputs

Output type	PNP
Output Function	NO + NC
Switching frequency	50Hz

Electrical data

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

Output voltage drop	≤ 2,5V @ IL = 200mA
Max ripple content	≤10%
LED indicators	Yellow LED (object detected)
Time delay before availability	≤ 200ms
Short-circuit protection	polarity reversal, overvoltage
Reverse Polarity Protection	Yes
Impulsive Overvoltage Protection	Yes

Mechanical data

Mounting	Shielded
Dimensions	M18 x 1 / L = 87mm
Weight	150g
Housing Material	Polyester
Connections	2m PVC cable
Active Head Material	thermoplastic polyester
Tightening torque	2,6Nm
Operating temperature	-35°C...+85°C (without freeze)
Storage temperature	-40°C...+85°C
Diameter/Dimension	M18

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, IP68

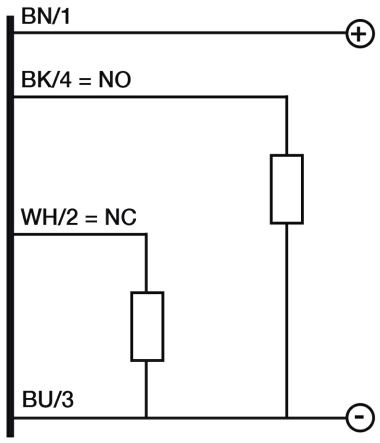
Accessories

Supplied Accessories	screw driver, 2 x M18 nuts

Generical Data

Dimensions	M18 x 1 / L = 87mm
Operating Temperature	-35°C...+85°C (without freeze)
Mechanical Protection	IP67, IP68

ELECTRICAL DIAGRAMS OF THE CONNECTIONS



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date of printing
29/04/2022 09:10:28