



## C18FT

## C18FT/BP-4AIO

Capacitive sensor M18 DC, Cable, IO-Link,  
No-Shield

## OVERVIEW

- Sensors for food and beverage applications
- High noise immunity
- IO-Link communication
- ECOLAB certified sensors
- IP69K mechanical protection



ECOLAB IO-Link



## TECHNICAL FEATURES

### Detection properties

Nominal sensing distance	12mm
Thermal drift of Sr	< 20%
Repeat Accuracy	5%
Sensitivity adjustment	Yes
Hysteresis	≤ 20%

## Outputs

Output type	NPN, PNP, Push-pull, IO-Link
Output Function	NO+NC/IO-Link
Switching frequency	50Hz

## Electrical data

Operating Voltage	10...40Vdc
No-Load supply current	$\leq 20\text{mA}$
Load current	$\leq 200\text{mA}$
Leakage current	$\leq 100\mu\text{A}$
Output voltage drop	$\leq 1.0\text{ VDC @ } 200\text{ mA DC}$
Max ripple content	$\leq 10\%$
LED indicators	Yellow LED (object detected), green LED power supply/stability
Time delay before availability	$\leq 300\text{ms}$
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Impulsive Overvoltage Protection	Yes

## Mechanical data

Mounting	Unshielded
Weight	137g

Housing Material	PTFE
Connections	2m PVC cable
Active Head Material	PTFE
Tightening torque	≤ 1 Nm
Storage temperature	-40°C...+85°C
Diameter/Dimension	M18

#### Test/Approvals

Approvals	CE cULus IO-Link ECOLAB
EMC compatibility	EN60947-1; IEC 61000-4-2; IEC 61000-4-3; IEC 61000-4-4
Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27

#### Accessories

Supplied Accessories	screw driver, 2 x M18 nuts
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#### Generical Data

Dimensions	M18 / L = 86mm
Operating Temperature	-30°C...+85°C (without freeze)
Mechanical Protection	IP68, IP69K

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