

C30FT

C30FT/BP-4AIO

Capacitive sensor M30 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

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	25mm
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	≤ 20mA
Load current	≤ 200mA
Leakage current	≤ 100μA
Output voltage drop	≤ 1.0 VDC @ 200 mA DC
Max ripple content	≤10%
LED indicators	Yellow LED (object detected), green LED power supply/stability
Time delay before availability	≤300ms
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Impulsive Overvoltage Protection	Yes

Mechanical data

Mounting	Unshielded
Housing material	PTFE

Weight	180g
Connections	2m PVC cable
Active Head Material	PTFE
Tightening torque	≤ 2 Nm
Storage temperature	-40°C…+85°C
Diameter/Dimension	M30

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 M30 nuts

Generical Data

Dimensions	M30 / L = 81mm
Operating Temperature	-30°C…+85°C (without freeze)
Mechanical Protection	IP68, IP69K

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