CD34CNFLFxxx

Capacitive sensor, Foreground Suppression

Main features

- Compact housing
- Supply voltage: 10 to 30 VDC
- Output: 100 mA, NPN or PNP preset
- Make or break switching function
- LED indication for output and power ON
- Protection: reverse polarity, short circuit and transients
- Cable and pigtail M8 plug versions
- Excellent EMC performance
- IP65, IP66, IP67, IP68 and IP69K for hose-down applications
- cULus
- Ecolab

Description

The CD34.. capacitive sensor is designed for detecting water-based (conductive) liquids through a non-metallic container wall, and it automatically adapts to various thicknesses of plastic or glass walls.
The universal mounting brackets allow the sensor to be fixed on various tubes or containers.
Strong, compact housing with IP69K ratings and ECOLAB approval for wash-down applications.
The sensor will function out of the box in most applications, and teach-in capabilities are available for adapting the sensor to more challenging applications.

Main functions

- Detection of water-based fluids inside a container or tube without direct contact with the fluids.
- The sensor detects the liquids reliably while compensating for residue film, moisture or foam build-up from liquids such as water, milk, body fluids (blood), acid- or alkaline solutions with conductivity as high as 50 mS/cm inside or outside the container wall.
- Flexible and fast universal mounting bracket.
- The sensing principle detects only the level of the liquids while ignoring foam, film or build-up that would cause standard capacitive sensors to detect faultily.

References

Product selection key

CD34CNFLF □□□

Enter the code option instead of □

Code	Option	Description
C	-	Capacitive sensor
D	-	Rectangular housing
34	-	Length of housing
C	-	Plastic housing
N	-	Neutral
F	-	Flush mounting
L	-	Liquid level
F		Foreground suppression
□	N	NPN
	P	PNP
□	O	N.O.
	C	N.C.
□	P2	2 m PVC Cable
	T5	Pigtail PVC

Type selection

Connec-tion	Output	Code
Cable	NPN, N.O.	**CD34CNFLFNOP2**
	NPN, N.C.	**CD34CNFLFNCP2**
	PNP, N.O.	**CD34CNFLFPOP2**
	PNP, N.C.	**CD34CNFLFPCP2**
Pigtail	NPN, N.O.	**CD34CNFLFNOT5**
	NPN, N.C.	**CD34CNFLFNCT5**
	PNP, N.O.	**CD34CNFLFPOT5**
	PNP, N.C.	**CD34CNFLFPCT5**
Mounting bracket		**ACD34-MB01**