

# FOIL COVERED BOTTLE CAP SENSOR

300 SERIES

MODEL 301

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## DETECTS FERROUS BOTTLE CAPS UNDER ALUMINUM FOIL

Sees through aluminum foil. Will not detect or give false acceptance of bottles which have foil but no cap as do inductive, capacitive and optical proximity sensors.

## EXERTS VIRTUALLY NO FORCE ON BOTTLE CAP

Unlike other proximity sensors that can detect ferrous metals through non-ferrous metals, the ASE Industries 300 series sensors do not exert a strong force on the target. Sensors with strong magnetic fields can attract bottle caps to the sensor which stops further sensing and may cause bottle jams.

## FAST SWITCHING FREQUENCY

Maximum switching frequency is greater than 1 kHz.

## CAN BE MOUNTED WITH FERROUS BRACKETS

The Adaptive Sense feature allows for the use of ferrous mounting brackets without affecting operation.

## SPECIFICATIONS

SUPPLY VOLTAGE:	10-30VDC
SENSING DISTANCE:	8mm (0.3")
CURRENT CONSUMPTION:	30 mA Max.
LOAD CURRENT:	150 mA Max.
SWITCHING FREQUENCY:	NPN Open Collector
OPERATING TEMPERATURE:	0.1 Hz to 1.0 kHz
SEALING:	-25 to 85 C
HOUSING:	IP67
CABLE:	PVC
	2m, 20 AWG, 3 wire
	PVC Jacketed

## TO ORDER OR FOR MORE INFORMATION

If you wish to improve your quality control by using the 300 series sensors please visit our website or email us.

