



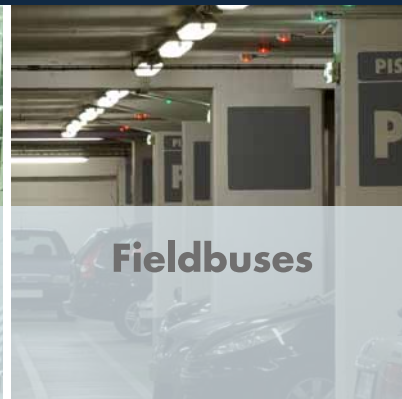
**Sensors**



**Switches**



**Controls**



**Fieldbuses**

## Application notes



**Application Note : February 2015**

**Market involved : Materials handling / Plastic machinery**

**Product : CA18CAN12...**

**Customer : -**

**Subject : Counting non-metallic or plastic parts**

### CUSTOMER ISSUE :

In automatic plastic moulding machines, it is very important to count the plastic parts coming out from each mould.

If any part remains in the machine, the mould could be damaged.

Usually frame sensors are used for this application, but they are quite expensive and alternative solutions are requested.

### OUR SOLUTION :

Our 4<sup>th</sup> generation TRIPLESIELD™ capacitive sensors are designed to detect dielectricity of objects.

This makes them ideal to detect, for instance, non-metallic or plastic parts.

These parts are guided, through a plastic pipe, towards the sensing face of the capacitive sensor in order to be correctly detected.

### BENEFITS :

- Easy detection of objects
- Sensors will not be damaged even in the case of high static electricity from the objects