

## Solo Sensing Edges



### Features

- Custom configurations
- Wide range of models
- Choice of colours
- Optional sensitivities
- Variety of mounting options
- TÜV approved
- Easy installation
- Fail-safe wiring available
- Durable construction
- Customised profiles to suit customer specification
- AS-Interface compatible
- Volt-free, normally closed contacts

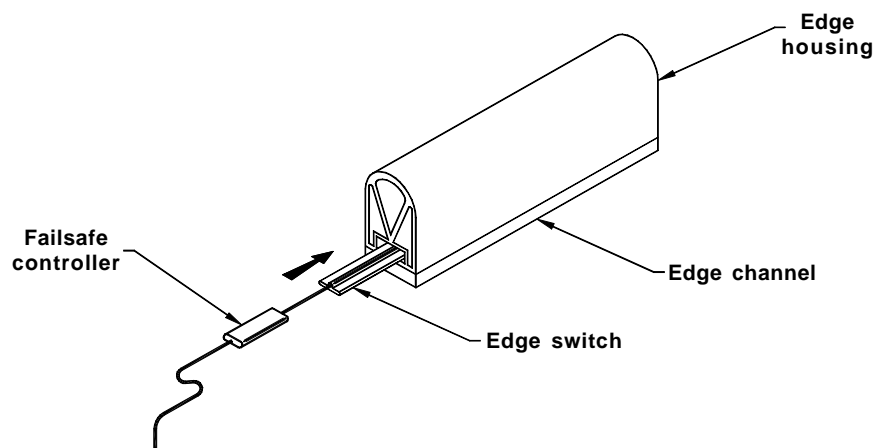
Tapeswitch sensing edges are press-at-any-point, momentary, normally-open contacts designed to protect personnel and equipment. They are typically mounted on the leading edge of a moving object, such as a powered door, such that the sensor is activated when it meets an obstruction. The major difference between a *Solo* sensing edge and any other edge is that it has a Category 3 fail-safe monitoring function built into it. A pair of redundant contacts are closed when the edge is not activated and open when it is pressed. This configuration is ideal for use with AS-Interface systems, which connect sensors and actuators to remote control systems through only a 2-wire cable. The edges can be connected directly to the same kind of standard AS-Interface Safe I/O connection modules that are used to connect E-stop switches over the AS-Interface. This is much more convenient than the alternative of having an additional control unit close to the edge so that it can provide the volt-free, normally closed connections to the AS-Interface Safe I/O module.

Due to the versatility of our product we can also provide customised profiles to meet the customer's specification.

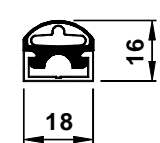
### Typical Applications

- Commercial vehicles  
*Tail lifts*  
*Bumpers*
- Automated doors, shutters & gates
- Vehicle management  
*Car park barriers*  
*Counting & alert systems*
- Scissor lifts
- Transport doors
- Cargo loading vehicles  
  
Conveyors

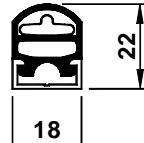
### Construction



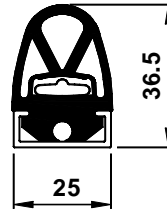
**Sensing Edge Profiles** (special profiles available on request - please contact us to discuss your application)



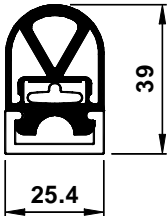
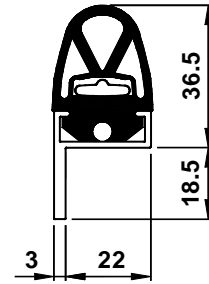
**TS6**



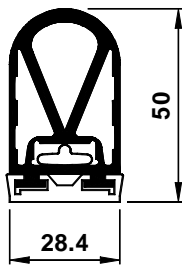
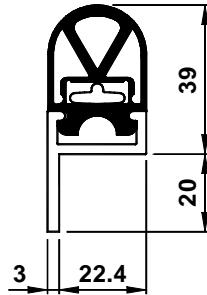
**TS16**



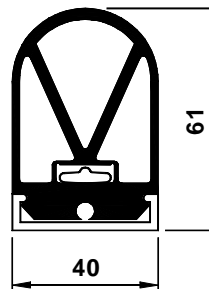
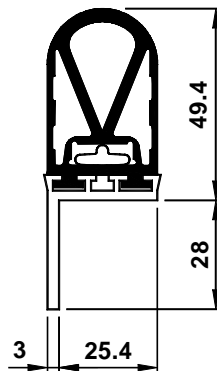
**KS3003**



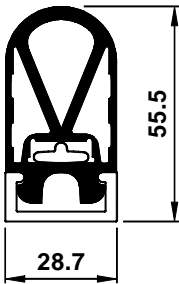
**TS26C**



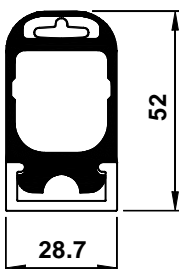
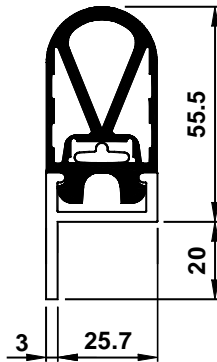
**TS46D**



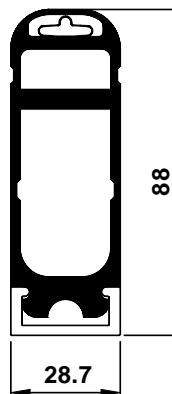
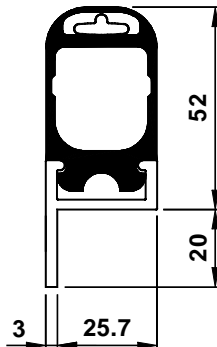
**KS1001**



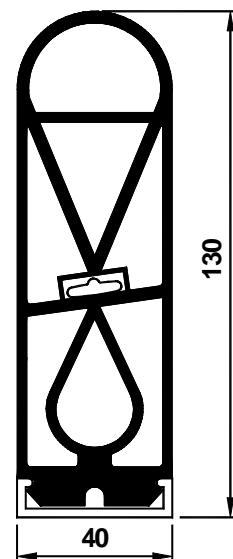
**TS48**



**TS47**



**TS57**



**KS4401**

## Lead Configurations

Tapeswitch sensing edges are supplied with two core leads connected at each end of the switch. There are several lead exit positions that can be specified depending on the application.

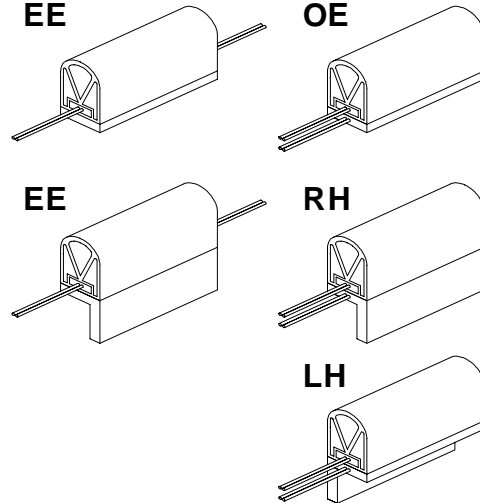
**EE** one lead from each end

**OE** both leads from one end

**RH** both leads from right hand end

**LH** both leads from left hand side

Note: The last two options apply only to sensors fitted with angled mounting channel.



## Mounting Options

A full range of aluminium and plastic channels are available to suit our range of sensing edges.

## Accessories

End caps are available for the TS6 & TS16S sensing edges.

## Order Code

XXXXSolo / XXXX / X / X / X / XX / XX / XXXX / X

Edge type e.g. TS46

Edge length (mm)

Channel style  
(F-flat, A-angle)

Channel material

Edge colour  
(B-black, R-red, Y-yellow)

Lead type  
(FS- fail-safe, SL- single lead)

Lead exit  
(OE-one end, EE-each end,  
RH-right hand, LH-left hand)

Lead length (mm)

End caps fitted  
(Y-yes, N-no)

This is only a sample order code. If you have any special requirements, please contact our sales team.

## Tapeswitch Ltd

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