

Assembly Instructions SE 1 TPE Spring contact

A complete Safety Element SE 1 TPE in 5 easy steps

These instructions describe cutting of the contact tube to the required length and fitting of the end cap on the resistance side. Fitting is identical on the cable side – apart from the additional sealing ring (round) for the cable seal.

1. Cut contact tube

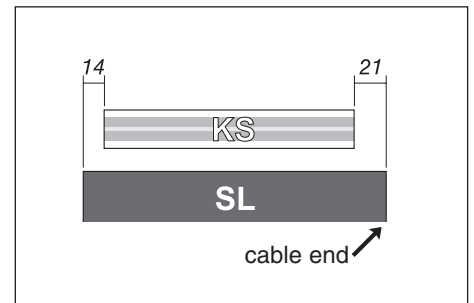
- Measure out required length of contact tube and mark accordingly.

$$L_{KS} = L_{SL} - 35 \text{ mm}$$

whereby: L_{KS} = length of contact tube
 L_{SL} = length of Safety Edge

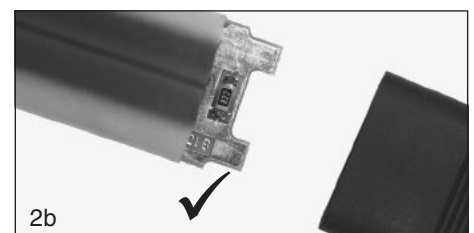
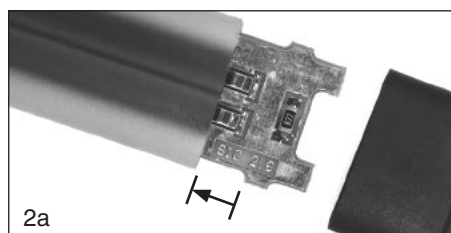
- Cut to the required length making sure that the cut edge is straight.

Tip: Should the Safety Edge require a 90° cable exit (instead of axial) the contact tube must be shortened by an additional 8 mm, i.e. by 43 mm in total.

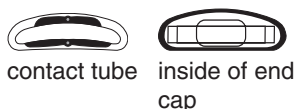


2. Assembly

Insert the spring contact PCB into the contact tube as far as the stop position.



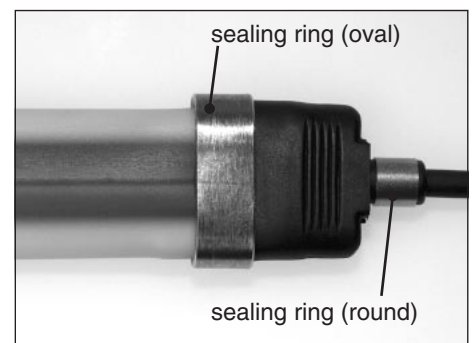
3. Position end cap and sealing ring



- Place and position end cap on the contact tube end. Ensure that the curvature of the end cap coincides with the tube curvature (see picture on left).

Tip: Make a mark 9 mm from the end of the contact tube. The end cap must completely cover this mark.

- Position sealing ring (oval) until it is flush with the end cap.
- On the cable end also position the sealing ring (round) in the middle.



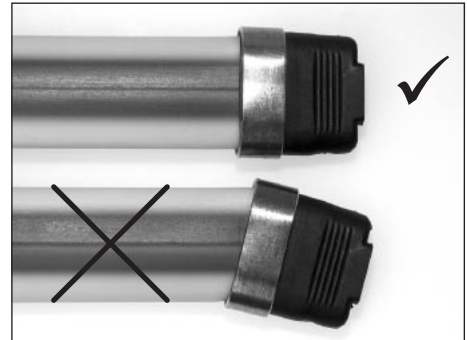
4. Close tool



Prior to closing the tool, ensure that the contact tube, end cap and sealing ring are correctly positioned!

If

- the contact tube and end cap are on the same horizontal



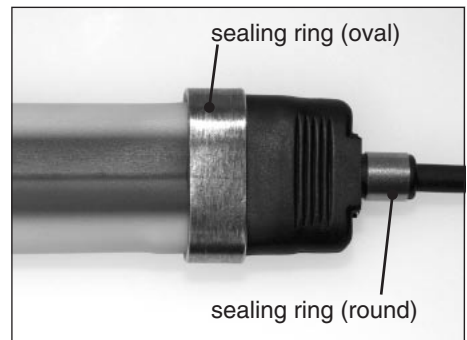
and

- the contact tube and end cap are on the same vertical line,



then

- close the tool around the sealing ring (oval). Apply the tool in the same manner to the sealing ring (round) on the cable end.



5. Position and test

- Connect up the SE 1 TPE and test for function.
- Carefully position the complete Safety Element in the rubber profile of the Safety Edge.
Talcum powder or compressed air are suitable for aiding insertion of the Safety Element into the rubber profile



The Safety Element may be irreparably damaged!

- ➔ Do not pull in by the cable.
- ➔ Make sure that no talcum powder gets into the Safety Element.

- If necessary, seal both rubber profile ends.

Tip: See "Assembly Instructions for Safety Edges" for the next assembly process.