



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.

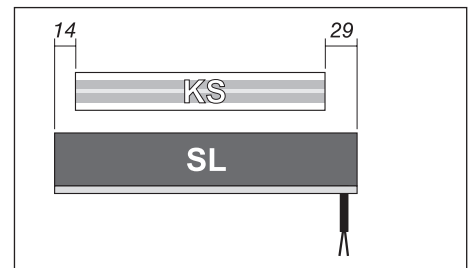
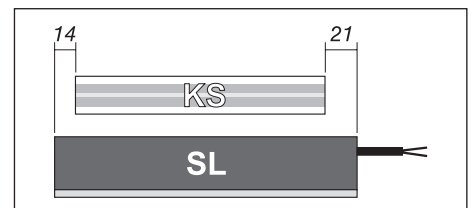
1. Cut contact tube

- The contact tube (KS) is always shorter than the finished Safety Edge (SL). Measure out required length of contact tube and mark accordingly.

$$L_{KS} = L_{SL} - 14 \text{ mm} - X$$

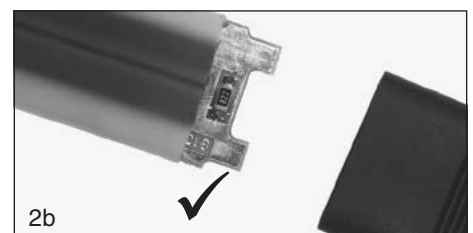
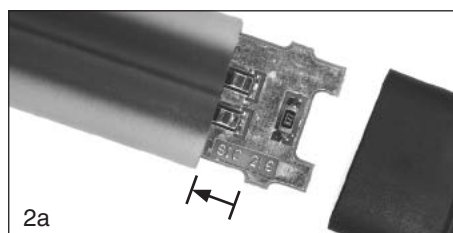
whereby: L_{KS} = length of contact tube
 L_{SL} = length of Safety Edge
 cable axial: $X = 21 \text{ mm}$
 cable 90°: $X = 29 \text{ mm}$

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

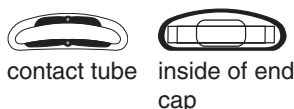


2. Assembly

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



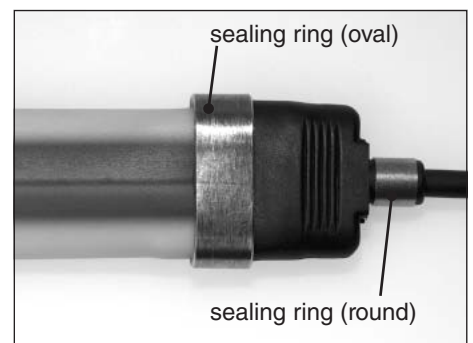
3. Position end cap and sealing ring



- 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.



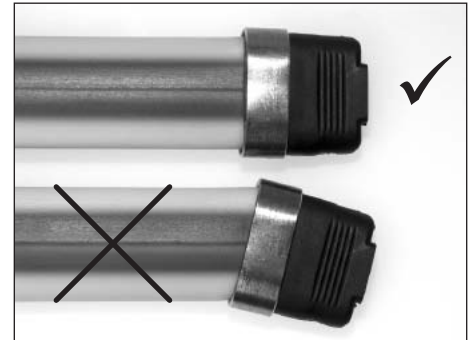
4. Close tool



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

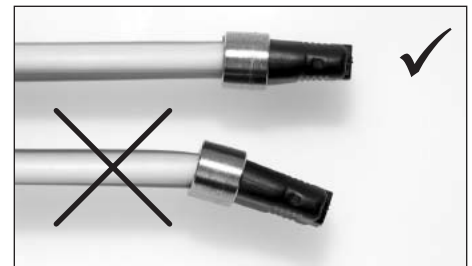
If

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



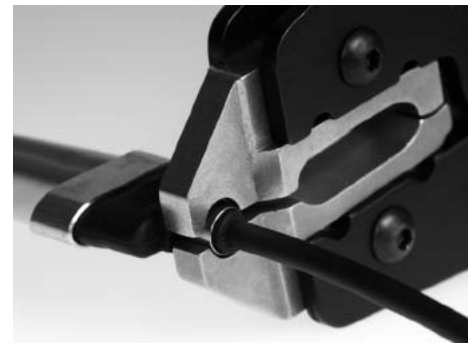
and

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



then

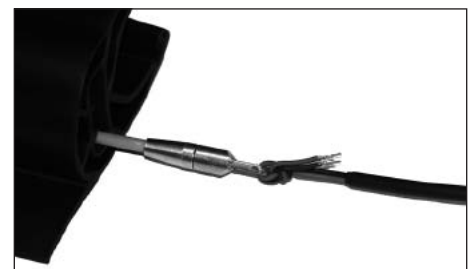
- close the tool around the sealing ring (oval). In addition, use the tool on the the sealing ring (round) at the cable end – for direction, see picture.



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.

Tip: The cable pulling device Kati® Blitz is suitable for aiding insertion of the Safety Element in the rubber profile.



The Safety Element may be irreparably damaged!

- ➔ Max. permissible pulling force on cable: 30 N
- ➔ No pressure may be exerted on the contact tube in non-operative mode.

- If necessary, seal both rubber profile ends.

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