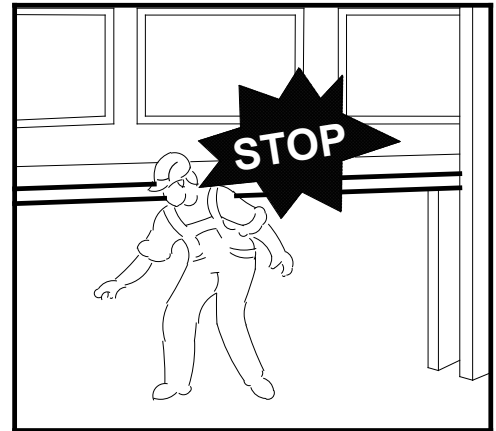


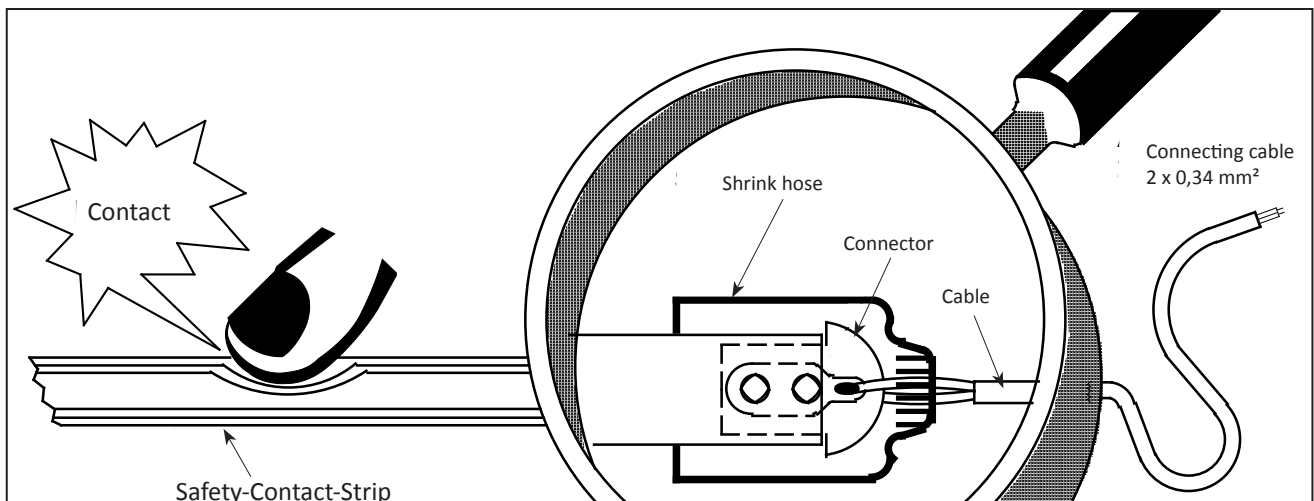
Use of Safety-Contact-Strip
 SENTIR edge 18 T
 in the rubber profile

**Safety-Contact-Strip
 SENTIR edge 18 T**



The Safety-Contact-Strip is used as a switching element which closes as soon as it meets an obstruction. The materials and the clear geometrical form are major advantages in comparison to other methods. Its absolutely homogeneous insulating covering of Elastomere has a very conductive elastic material on the inside which act as contact surfaces. In this material is a thin copper wire which allows a very low resistance even for long lengths.

The quality of the contact is very good as the elastic material on the inside of the strip is a guaranty that the contact, once made is not permanent and that the Safety-Contact-Strip will take up its original shape when the obstruction is removed. The Safety-Contact-Strip is used mostly in rubber profiles mounted on aluminium rails to protect it from being damaged and to enable a long, soft brake way. Different end resistances and values are possible. The use of the Safety-Contact-Strip is continually tested and licensed from approved institutions in compliance with the German employers' liability insurance association. The test certificates are available on request.



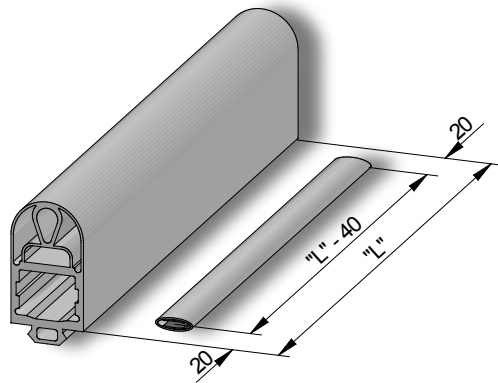


fig. 1

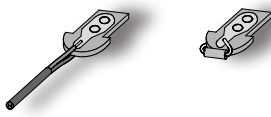


fig. 2

fig. 3

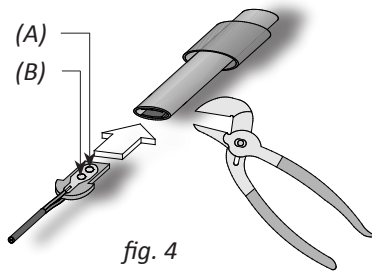


fig. 4

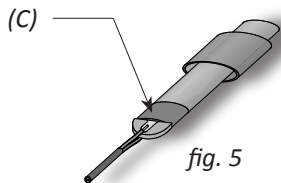


fig. 5

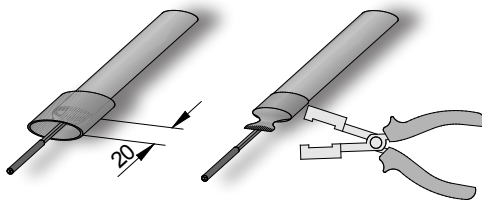


fig. 6

fig. 7

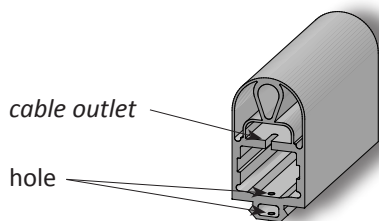


fig. 8

1. Cutting the strip

Lay the roll of Safety-Contact-Strip SENTIR *edge* 18 T on a table and cut the required amount to fit your needs. (fig. 1)

The length of the Safety-Contact-Strip should be 40 mm shorter than the length of the profile.

2. Manufacturing the Safety-Contact-Strip

2.1 Connection part (fig. 2)

Place the shrink hose over the end of the Safety-Contact-Strip.

Press the sides of the Contact-Strip together to allow the connector to be inserted up to the cuff.

Use a commercial flat-nose pliers to squeeze together the Contact-Strip at the places (A) and (B) up to a thickness of 3,5mm (fig. 4).

Now place a film of Primer Cuvertin ca. 20mm from the end of the Contact-Strip. The Primer must go completely around the Contact-Strip (C) (fig. 5). Handle the Primer for ca. 3-5 sec. under 300°C to become touch dry.

Place the shrink hose 20 mm above the processed part and shrink it (fig. 6). The recommended temperature to shrink the hose is about 300 C°.

While it's still hot press the shrink hose onto the end of the connector cable with special pliers for 5 sec. (fig. 7). The Primer will bind with the glue in the shrink hose to make a waterproof seal.

Be careful to shrink the hose **evenly!**

2.2 Termination part (fig. 3)

The termination part with the resistor is to be handled like in 2.1.

3. Installation of Safety-Contact-Strip in the rubber profile

Cut the required length of rubber profile. Prepare the ends as followed: Cut off cable exit at the bottom of the SENTIR *edge* chamber and punch holes in the base of the rubber profile to lead out the cable (fig. 8).

Slide the Safety-Contact-Strip into the chamber and pull the connecting cable through the hole in the base of the rubber profile (fig. 9).

For strain relief attach a cable strap at the cable entry in the profile base (fig. 8).

Clean the profile end and the cap with special cleaner and let it dry.

When dry glue the cap onto the end of the rubber profile by using VA 1401 glue (fig. 10).

Cut away the overhanging parts of the cap. (fig. 11).

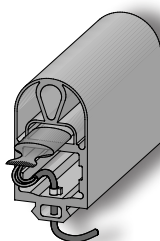


fig. 9

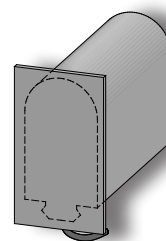


fig. 10

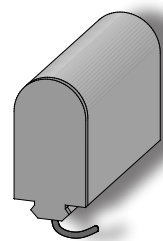


fig. 11