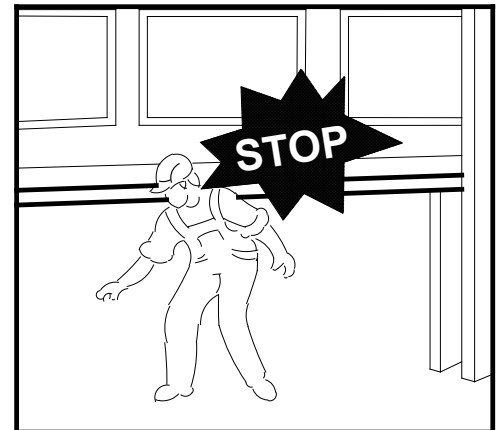
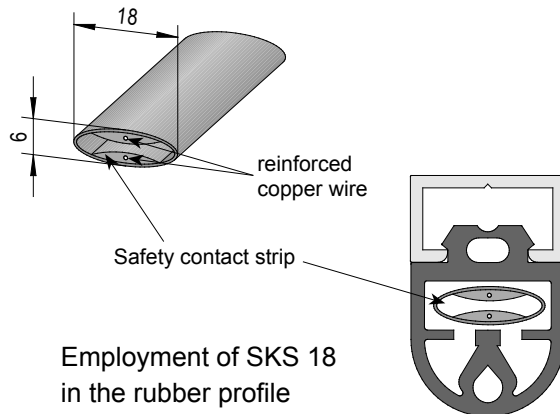


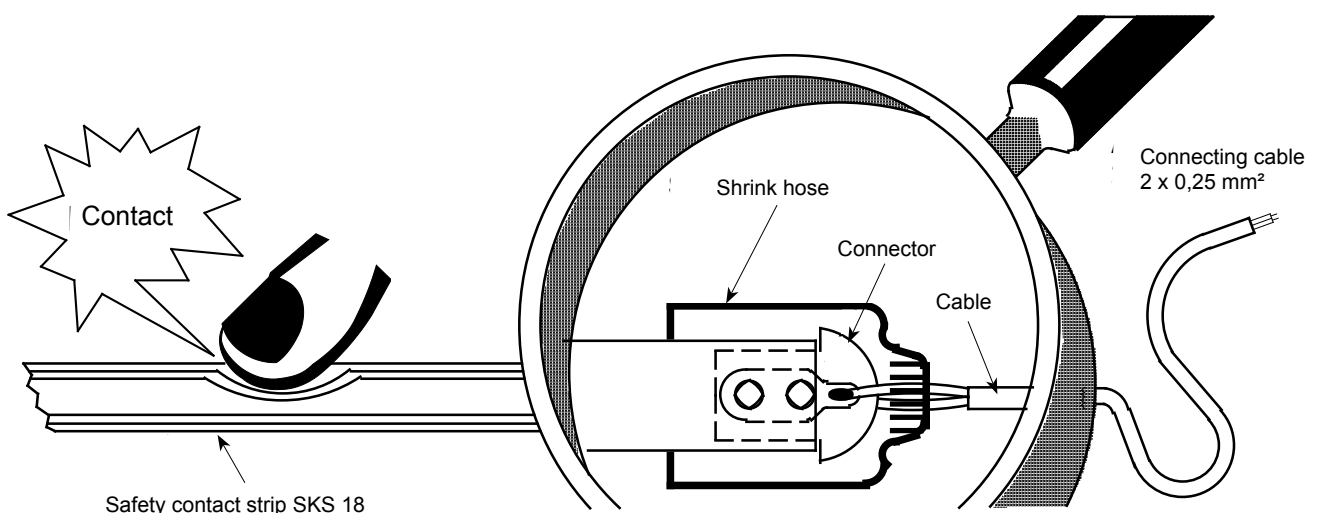
Safety-Contact-Strip SKS18



The safety contact strip SKS 18 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 EPDM 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 at lengths exceeding 200 m.

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 the 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 strips is continually tested and licensed from approved institutions in compliance with the German employers' liability insurance association. The test certificates are available on request.

Technical details			
Outer material	EPDM >30 MΩ at 50 m	max. load	24 V / 100 mA
Inner material	EPDM, conducting with reinforced copper wire	Pressure	6,5 n pro cm ²
		Dimension	18 x 6 mm
Conductivity	>60 Ω contact resistance at 100 m	Delivery	Rolls of 25 / 50 m



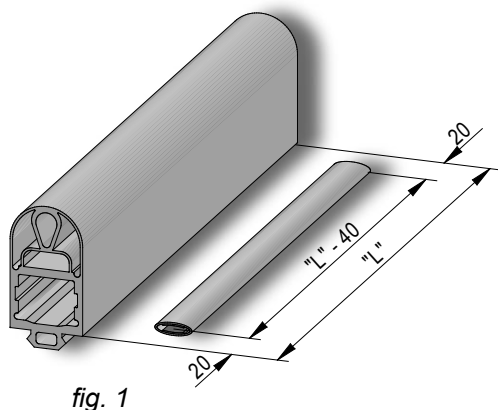


fig. 1



fig. 2



fig. 3

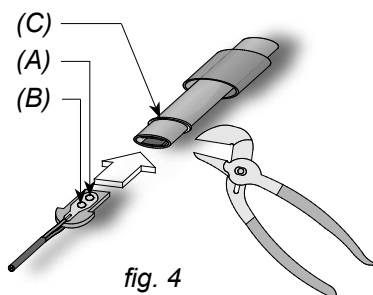


fig. 4

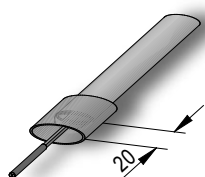


fig. 5

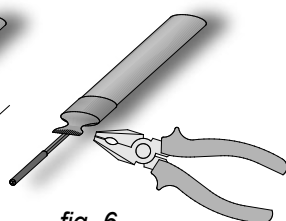


fig. 6

1. Cutting the strip

Lay the roll of contact strip on a table and cut the required amount to fit your needs. (fig. 1)

The length of the strip should be 40 mm shorter than the length of the profile.

2. Manufacturing the strip

2.1 Connection part (fig. 2)

Place the shrink hose over the end of the safety contact strip. Press the sides of the safety contact strip together to allow the connector to be inserted up to the cuff.

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

Now place a thin film of E 1100 glue ca. 10mm from the end of the safety contact strip. The glue must go completely around the strip (C) (fig. 4).

Place the shrink hose 20 mm above the processed part and shrink it (fig. 5). 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 pliers (fig. 6).

The glue E1100 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 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 contact strip chamber and punch holes in the base of the rubber profile to lead out the cable (fig. 7). Slide the contact strip into the chamber and pull the connecting cable through the hole in the base of the rubber profile (fig. 8).

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 E 1100 glue. Cut away the overhanging parts of the cap. (fig. 9).

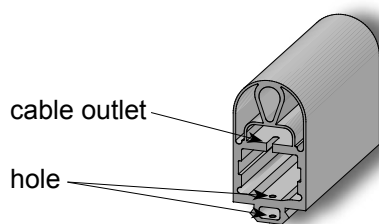


fig. 7

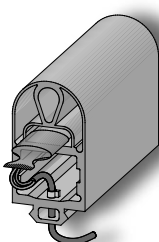


fig. 8

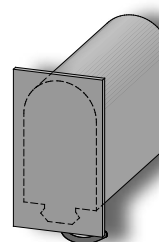


fig. 9