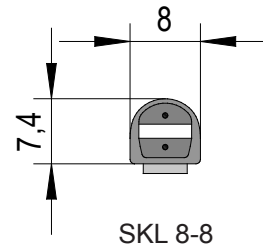
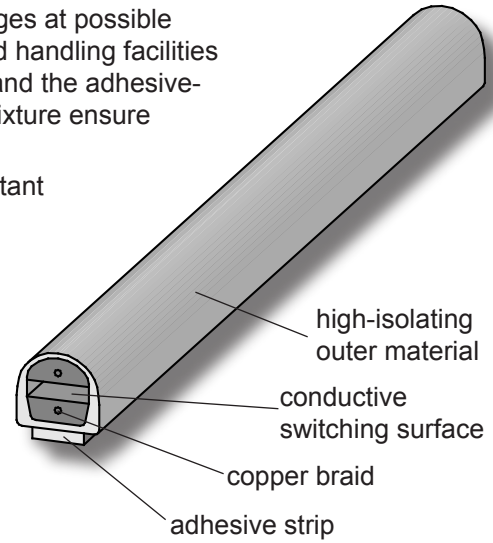




The safety-contact-edge SKL 8-8 is employed to guard closing edges at possible crushing or shearing points. They are used in gates, machines and handling facilities to protect people and equipment. It consists of the signal initiator and the adhesive-strip. The shaping of the SKL 8-8 and the special EPDM rubber-mixture ensure low actuating forces by a far temperature range.

The quiescent current principle used here is the basis for the constant functional monitoring. The last safety-contact-edge of a possible series connection is completed with a terminal resistor which is continuously measured by the evaluation electronic. By this structure also the entire line distance is monitored for short-circuit and wire break.



## The structure

The safety contact strip SKL 8-8 is implemented as a single chamber profile. Thus the production of the contact edge is simplified, because only the connecting pieces must be assembled.

The main advantages to other switching elements are the components of material and the good geometry. The absolutely homogeneous, high-insulating external material made of EPDM is provided with two conductive switching surfaces on the inside. The two copper braids inside these conductive elastomers make a low impedance evaluation possible also with lengths of more than 100 meters.

type	SKL 8-8
self-adhesive	
material	EPDM
delivery length [m]	25/50
weight [Kg]	0,06
actuating force [N]	(III) 56
actuating distance [mm]	(IV) 2,1
total deformation [mm]	4,4
switching angle (max.) [°]	(V) 2x45°

- (III) measured with test item Ø80mm
- (IV) testing speed 10mm/s
- (V) according to DIN31006/2 (GS - BE - 17)
- (VI) regardless of DIN31006/2 (GS - BE - 17)

type	SKL 8-8
mech. force [N]	(V) 500
amount of switching	(V) 10 <sup>5</sup>
operating temperature [°C]	(V) -25°-> +55°
max. temperature range [°C]	(VI) -25°-> +70°
protection class	IP65
electr. power rating	24V 100mA
specific resistor [Ohm/m]	1,0 Ohm
max. length of the safety-contact-edge(s) [m]	50
max. length of line [m]	200
lines	2x0,34mm <sup>2</sup>
line material	PU

article	designation
	wiring plug KS 1 L ... with access line
	final plug KS 1 W with end-resistor
	endcap for KS 1

