



The safety-contact-edge SKL 15-10 VT 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 aluminium-profile. The shaping of the SKL 15-10 VT and the special TPE-mixture ensure low actuating forces by a far temperature range.

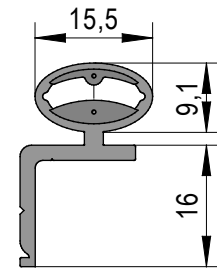
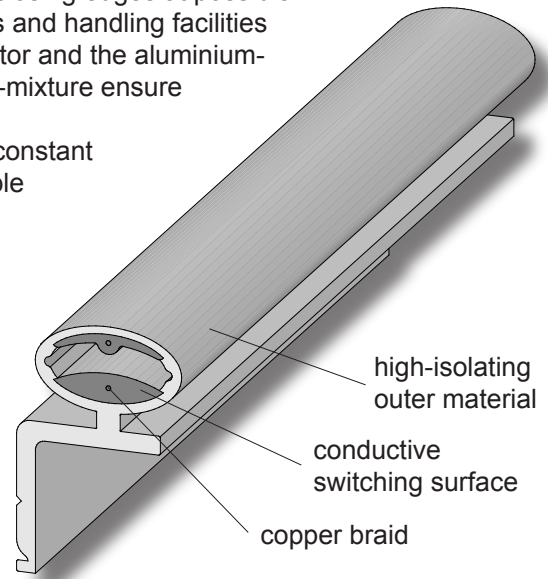
The quiescent current principle used here is the basis for the constant functional monitoring. The last safety-contact-edge of a possible series connection is completed with a terminal resistor which is continuously measured by the evaluation electronic.

By this structure also the entire line distance is monitored for short-circuit and wire break.

The structure

The safety contact edge SKL 15-10 VT 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-isolating external material made of TPE 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 15-10 VT
material	TPE
delivery length	25 m
weight	0,18 Kg/m
actuating force	(III) 30 N
actuating distance	(IV) 2,3 mm
total deformation	4,7 mm
switching angle (max.)	(VI) 2x45°

type	SKL 15-10 VT
mech. force	(V) 500 N
amount of switching	(V) 10 ⁵
operating temperature	(V) -25° -> +55° C
max. temperature range	(VI) -25° -> +70° C
protection class	IP 65
electr. power rating	24 V 100 mA
specific resistor	1,0 Ohm/m
max. total length of cables	25 m
max. series connection of the contact edges	5 edges = 100 m
lines	2x0,34 mm ²
line material	PU

article	designation
	wiring plug KS 2 L ... with access line
	final plug KS 2 W with end-resistor
	endcap for KS 2

- (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)

