

Sicherheitskontaktleisten werden als Schließkanten-  
 u  
 h u U = o U  
 u M h u  
 o 7 h (-h) U V" k  
 M o  
 " ) "  
 dige 7  
 k  
 ) o k  
 henschaltung erhält einen Abschlußwiderstand, der durch  
 ) O  
 M )  
 " o V  
 ) h

*Safety contact edges are employed to guard closing edges at possible crushing or shearing points. They are used to protect the inside safety contact edge in the best possible way. Constant monitoring is achieved using the closed-circuit principle.*

*The guaranteed safety is documented by the various approval*

**Der Aufbau**

@ @ o  
 o M  
 ) M O M  
 " o  
 wird dieser Sicherheitskontaktstreifen in die Schaltkammer  
 M )  
 (-h) U V" k M  
 o  
 )  
 Sicherheitskontaktleiste wird dann in das Aluminium-C-  
 h

**The Design**

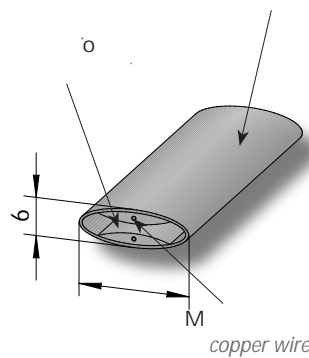
*The safety contact strip - the actual contactor - is located inside the safety contact edge. This contact strip contains two copper wires. For the proper use, this contact strip is inserted into the switching element of the safety contact edge. Then the safety contact edge is then pressed into the aluminium housing.*

**Der Sicherheitskontaktstreifen SKS 18**

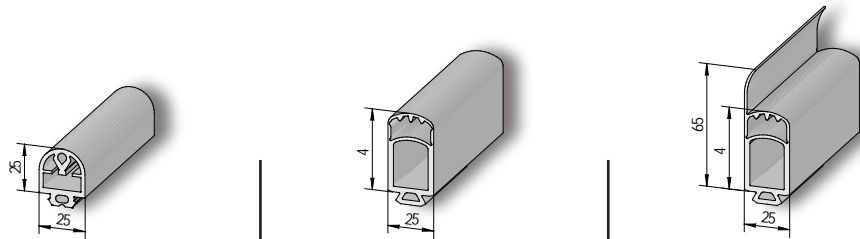
) o oM  
 als Schaltelement in Sicherheitskontakt-  
 ) t  
 o  
 U  
 8 ) o  
 besteht aus einem hochisolierendem  
 o  
 @ o  
 M O  
 U

**The SKS 18 safety contact strip**

*The SKS 18 safety contact strip is used as a switching element in safety contact edges. The material components and good geometry are major advantages compared to other safety contact strips. The SKS 18 safety contact strip contains two copper wires that permit*



Technische Daten  
Technical data



Typ Artikel Nr.	8h' #M	8h' #V	8h' #M	8h' #V	8h' #M0	8h' #VO
Zulassungen	h					
Aufnahmeprofile	° O ° O † ° O =	° O ° O † ° O =	° O ° O † ° O =	° O ° O † ° O =	° O ° O † ° O =	° O ° O † ° O =
Material	-h) U		V" k		-h) U	
Lieferlänge	25 m		25 m		25 m	
Gewicht Kg/m						
Zubehör	° h'		° h'		° h'	
Prüfung nach EN 1760-2, Geschwindigkeit 10 mm/s, Temperatur 20°C, Prüfkörper rund 80mm, Betätigungspunkt C3						
" 7 <sub>A</sub> V					52	
Ansprechweg S./mm						
V 0 <sub>1</sub> /mm						
Prüfung nach EN 1760-2, Geschwindigkeit 100 mm/s, Temperatur 20°C, Prüfkörper rund 80mm, Betätigungspunkt C3						
" 7 <sub>A</sub> V						
Ansprechweg S./mm			4,2		4,2	
V 0 <sub>1</sub> /mm					4,44	

Physikalische Materialeigenschaften

gemeinsame Eigenschaften	common properties	
" V	mech. stability	
Schaltwinkel	Switching angle	
Schaltspiele	5	Switching cycles
" #		
u #		
o IP 65	Enclosure	
" †		
‡ \	k	
8 25 m		
k 0	5 edges / 100 m	
M	of the contact edges	
O 00	Lines	
U 0	hyk	
	Material lines	

Physical material properties

Eigenschaften	EPDM	NBR	properties
k		2	tear strength
k		2	
Abrieb		2	anbrasion
‡	4		far tear strength
M	2		
‡	2	2	heat stability
\			
y † "			UV-stability
‡ \			weather- / ozone stability
7	6	6	
Gasdurchlässigkeit	4	2	gas permeability

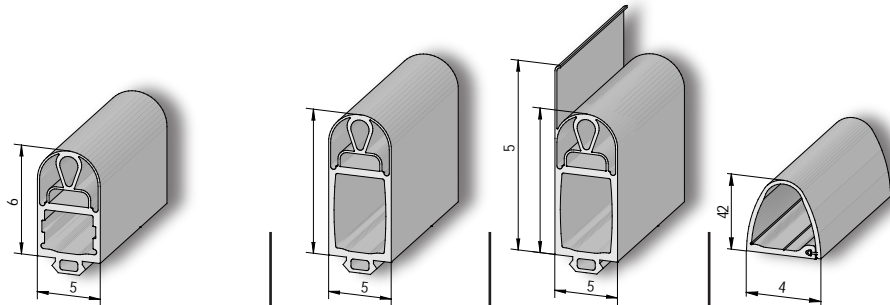
1 = sehr gut " 6 = ungenügend 1 = very well " 6 = insufficiently



U 7 u  
7 o 8 †



u  
rally cannot be obligatory.  
For self tests we can deliver rubber samples, or we test the resistance for you.



8h	#M	8h	#V	8h	#M	8h	#MD	8h	#M	Type Article-No.
										Licence
										Profile
										Material
										Delivery length
										Weight Kg/m
										Equipment Stopper
Tested according EN 1760-2, Speed 10 mm/s, Temperature 20°C, Test Unit 80mm round, Actuating Point C3										7 7 <sub>A</sub> /N ) Overtravel Distance S <sub>v</sub> /mm
Tested according EN 1760-2, Speed 100 mm/s, Temperature 20°C, Test Unit 80mm round, Actuating Point C3										7 7 <sub>A</sub> /N ) Overtravel Distance S <sub>v</sub> /mm

Please take the current results of measurement from the valid in each case single data sheets and/or test reports.

Chemische Materialeigenschaften

Beständigkeit	EPDM	NBR	resistance
‡			water (dist.)
o	2		dilutes acid
O	2	2	dilutes base
o	2		
oxidierende Säure	4	5	
o u J a V	6		ASTM-oil No. 3
h a	5		vegetable oils
- O	2	5	ester-solvents
M O		5	
o M	5		M
o M	6		M
= M	6		halogen Kw
Alkohole		5	alcohol

Chemical material properties

1 = keine Effekte	" )
2 = geringe Effekte	" mit fallenden Anforderungen
3 = mäßige Effekte	" mit fallenden Anforderungen
4 = merkliche Effekte	"
5 = starke Effekte	" M
6 = extreme Effekte	" M

	" with falling request
	" with falling request
	" reduced use
	" only brief contact
	" avoid contact

EPDM 8  
" #  
TPE 8 a  
ASTM o u U  
Kw M  
Ester O  
Keton O  
aliphatische " "  
aromatische " "

EPDM Well ozone- and weather proof.  
h  
TPE Well resistantly against oil and gasoline.  
ASTM o u U  
Kw Hydrocarbon  
Ester organic solvents  
Keton  
aliphatical e.g. gasolines  
aromatical e.g. benzene

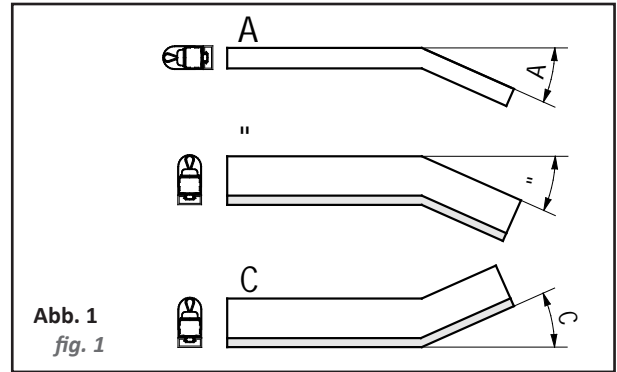
Knickwinkel und Biegeradien  
Buckling angle and bending radii

0 0  
@

# h  
#

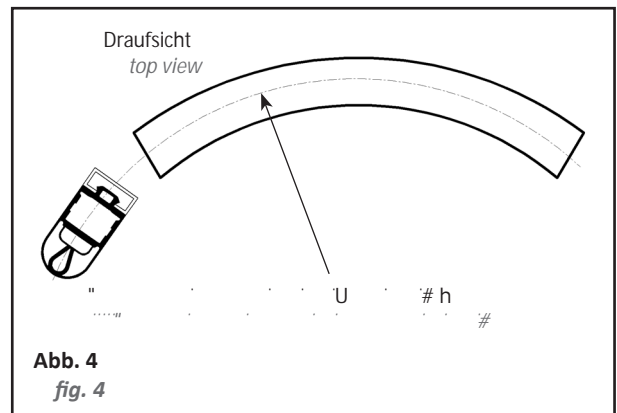
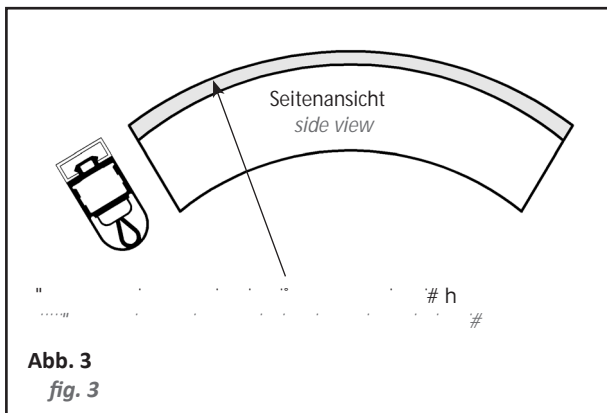
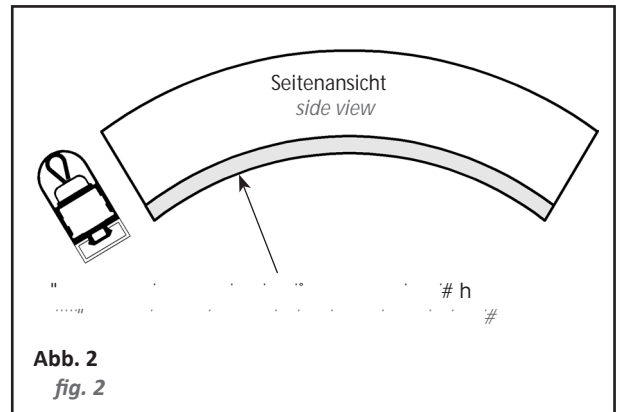
M U

Typ type	Abb. 1 / fig. 1		
	A	B	C
GP 25-25CK / CN			
GP 25-40CK / CN			
GP 25-65CKLi / CNLi*			
GP 35-60CK / CN			
GP 35-80CK			
GP 35-105CKLi*			



" U

Typ type	Abb. 2 fig. 2	Abb. 3 fig. 3	Abb. 4 fig. 4
SKS 18		--	
GP 25-25CK / CN			
GP 25-40CK / CN			
GP 25-65CKLi / CNLi*			
GP 35-60CK / CN			
GP 35-80CK			
GP 35-105CKLi*			

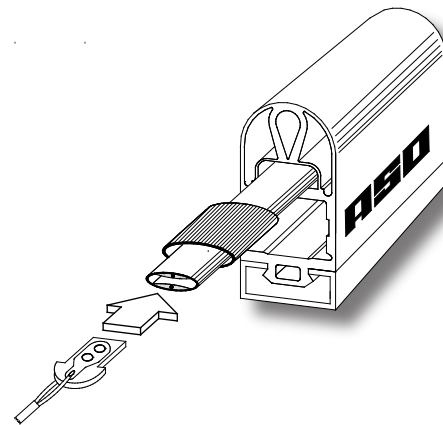


) " 0 )  
With bending the safety contact edge the sealing rim is rammed and thereby wavyly.

M " 8 h -V -V  
-V -V

**Materialeigenschaften Schaltstreifen SKS 18**  
*Material properties of contact strip SKS 18*

<b>Material außen:</b>	-h) U	U \
<i>Outer material:</i>	-h) U	U \
<b>Material innen:</b>	-h) U	M
<i>Inside material:</i>	-h) U	
<b>Leitfähigkeit:</b>	\	U
<i>Conducting capacity:</i>	60 Ohm per 100 meters	
<b>Kontaktwiderstand:</b>	\	
<i>Contact resistance:</i>	-50 Ohm	
<b>max. Belastung:</b>	†	
<i>max. capacity:</i>	24 V / 100 mA	
<b>Auslösekraft:</b>	V	2
<i>Actuating force:</i>	6.5 N per cm <sup>2</sup>	
<b>Lieferlänge:</b>	k	U
<i>Available lengths:</i>	rolls of 25 / 50 meters	
<b>Abmaße:</b>		
<i>Size:</i>		



**Verarbeitung des SKS18**

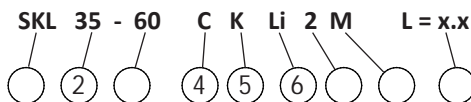


**Installing the SKS18**



**Typenschlüssel und Bestellhinweise**

*Type code and ordering information*



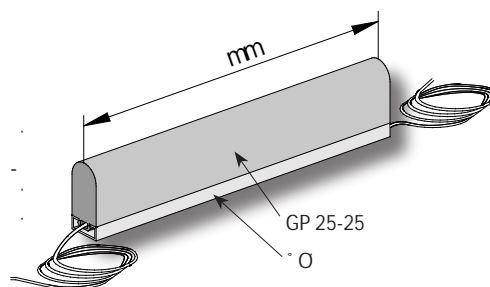
- **Bezeichnung**  
kontaktleisten
- **2** **Profilbreite**  
in mm
- **Profilhöhe**  
in mm
- **4** **Fußbefestigung**  
C = Clipsfuß  
u = u7
- **5** **Material**  
M = -h) U  
V = V" k  
u = uh-

- **6** **Dichtlippe**  
- = keine
- **Art der Leiste**  
1 =  
2 = Durchgangsleiste  
3 =  
4 = Durchgangsleiste mit
- **Einschließlich**
- **Leistenlänge**  
in mm

- **Designation**  
ASO-Safety-contact edges
- **2** **Profile width**  
in mm
- **Profile height**  
in mm
- **4** **Base shape**  
C = Clips-Base  
T = T-Base
- **5** **Materials**  
K = EPDM  
N = NBR  
T = TPE  
B = Fire-restraining

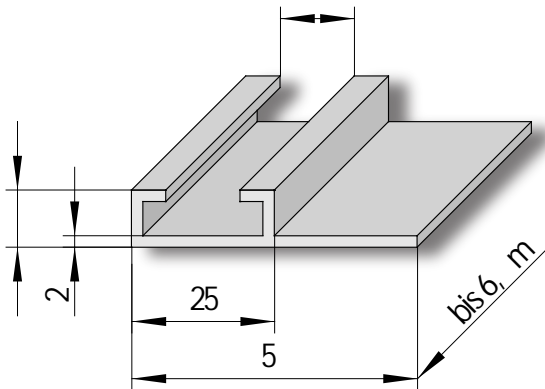
- **6** **Sealing lips**  
- = none  
Li = single-sided inwards  
La = single-sided outwards  
LL = double-sided outwards
- **Kind of the edge**  
1 = End edge with insided resistance  
#  
3 = End edge with
- **Inclusive**  
# h
- **Edge length**  
in mm

**Bestellbeispiel:**  
SKL 25 - 25 C K 2 M L=1.783mm  
Kabellängen 3 und 5 Meter

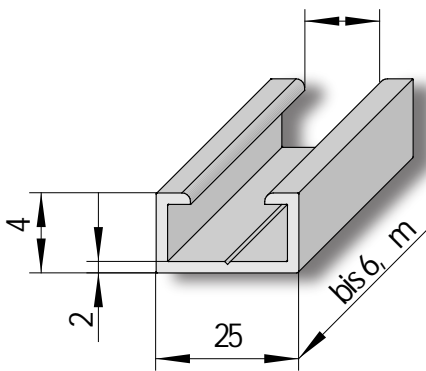


**Ordering example:**  
SKL 25 - 25 C K 2 M L=1.783mm  
cable lengths 3 and 5 meters

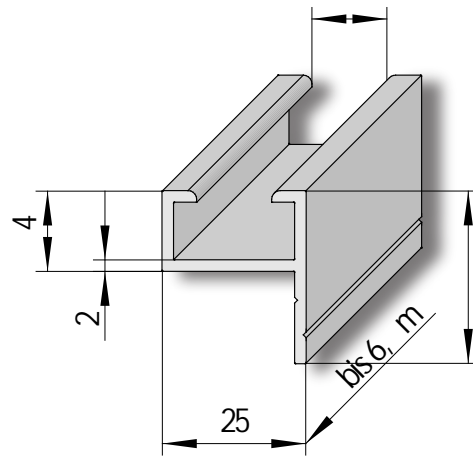
Aluminium Trägerprofile  
 Aluminium Mounting-rails



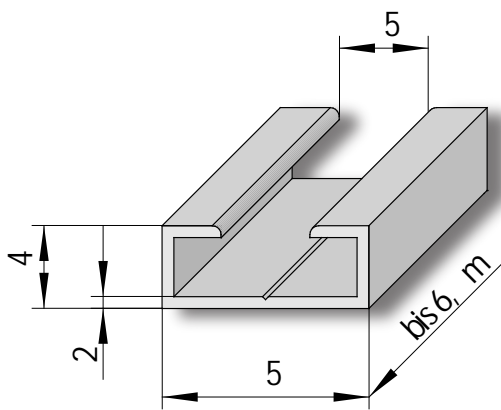
**AL 25-10 H**  
 ... V



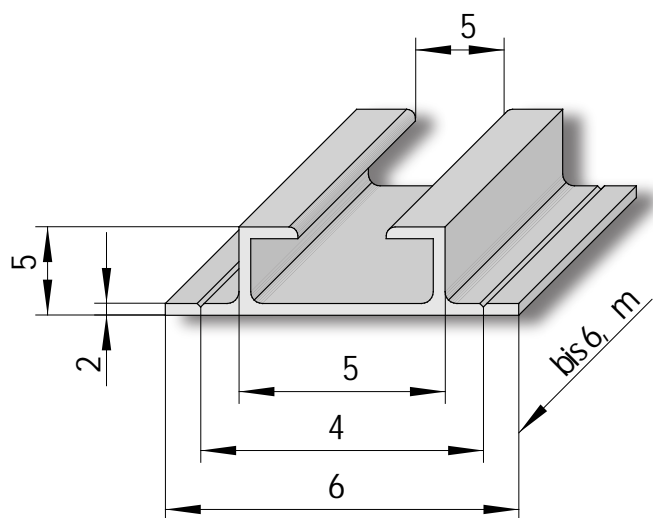
**AL 25-14**  
 ... V



**AL 25-14 V**  
 ... V



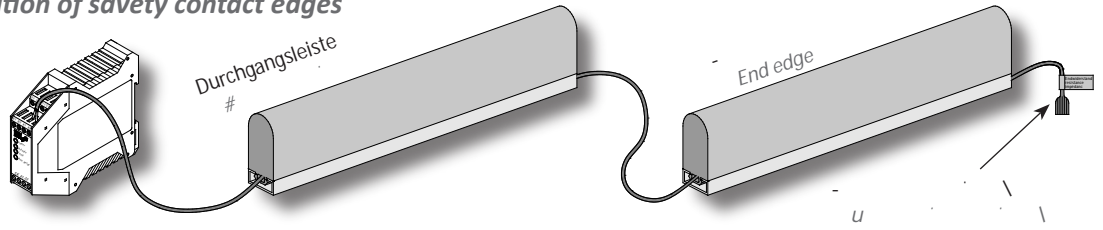
**AL 35-14**  
 ... V



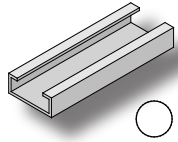
**AL 35-15 HB**  
 ... V

Reihenschaltung von Sicherheitskontaktleisten  
Series installation of safety contact edges

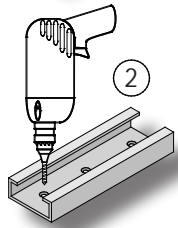
Auswertelektronik



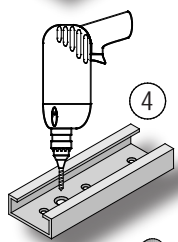
Die Montage von Sicherheitskontaktleisten darf nur durch autorisierte Personen erfolgen.  
Safety contact edges may only be installed by authorized persons.



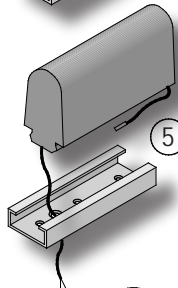
1) Die Kontaktleiste wird an der Montagefläche mit den mitgelieferten Schrauben gesichert.



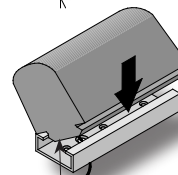
2) Die Kontaktleiste wird an der Montagefläche mit den mitgelieferten Schrauben gesichert.



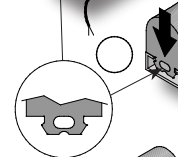
3) Die Kontaktleiste wird an der Montagefläche mit den mitgelieferten Schrauben gesichert.



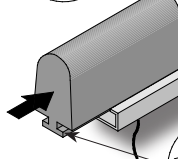
4) Die Kontaktleiste wird an der Montagefläche mit den mitgelieferten Schrauben gesichert.



5) Die Kontaktleiste wird an der Montagefläche mit den mitgelieferten Schrauben gesichert.



6) Die Kontaktleiste wird an der Montagefläche mit den mitgelieferten Schrauben gesichert.



7) Die Kontaktleiste wird an der Montagefläche mit den mitgelieferten Schrauben gesichert.



8) Die Kontaktleiste wird an der Montagefläche mit den mitgelieferten Schrauben gesichert.

Eine andere als die beschriebene Befestigung ist nur nach Rücksprache mit dem Hersteller möglich!  
Any other methods of fastenings are only permitted on prior agreement with the manufacturer!

15.DB.01.001 Technical data rev 1.4 as of June 30th 2011 Technical changes reserved