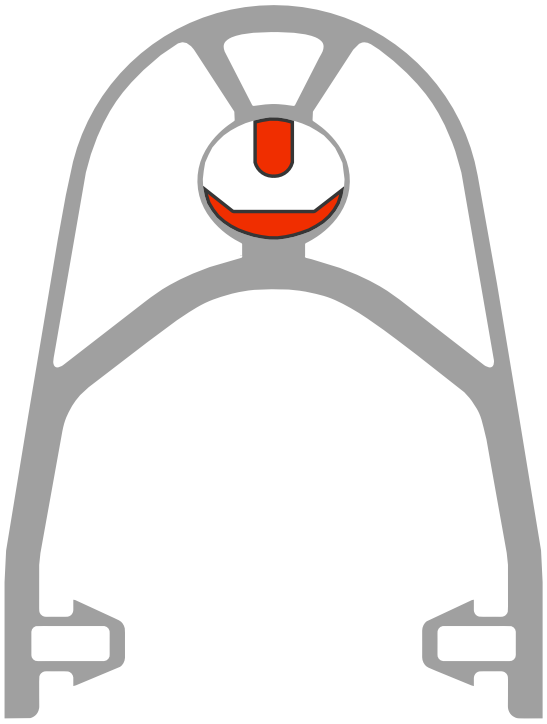
ASO KS8/KS4 WIRE POSITIONING NOTICE

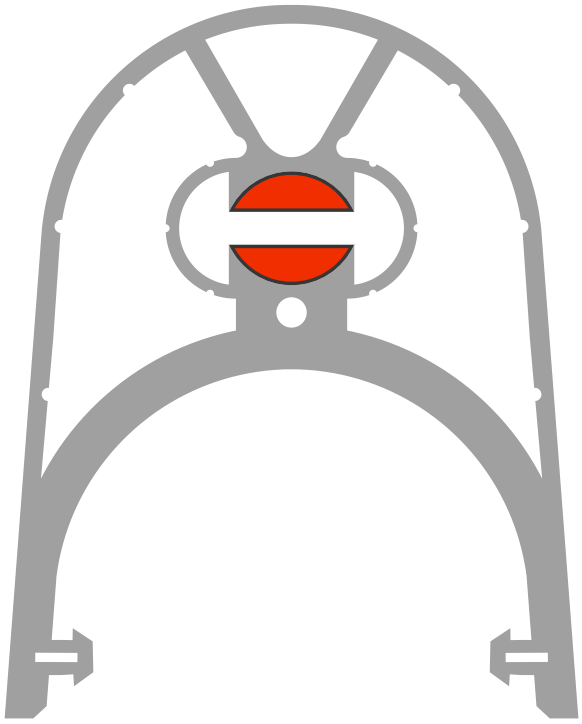
Dear ASO Installer

In relation to your enquiry, it can be normal for the core wires to be extruded off centre as **ASO** made a change in the design of the safety edges around 6 years ago. With the introduction of the **KS8-assembly-system** the conductive material blocks changed which meant it was no longer required to hit the pins of the KS8 plug directly with the wire during assembly. This operating principle was also retained when switching to the current **KS4-assembly-system**.

When assembling the only thing to watch is to ensure that both the upper and lower conductive blocks are penetrated properly by the **KS8/KS4** pins **(illustrated below)**. The reading resistance value should be **8.2kOhm (+ or – 500 Ohms)** so we are looking for a value of between **7.7 - 8.7kOhm.**



KS 4 EDGE SERIES



KS 8 EDGE SERIES

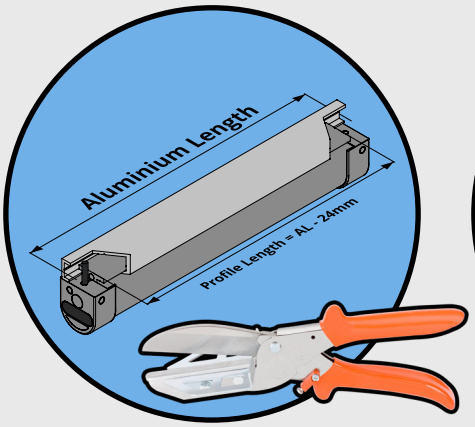
We have attached assembly instructions for your installers to help refresh on this, but we would be happy to provide some more training at your convenience. If your installers or customers have any concerns please do ask them to call us to discuss. If there have been any specific issues where the resistance values are radically higher or lower than **8.2kohm** this could be an issue with materials or assembly process, so in these cases please do always contact technical support so we can resolve for you.

Just to add to this, the maximum number of edges joined in series that **ASO** recommend is **5 edges** and no more than **25 Meters** of cabling in total from controller to end of line resistor in any one channel or series of edges. For example the **INDUS kit** controller **ISK 71-242** has **4 channels**, so you could run up to **5 edges for 25 Meters** in to each stationary edge input if required. I hope this information helps, if there are any questions please do contact us directly so we can assist you.

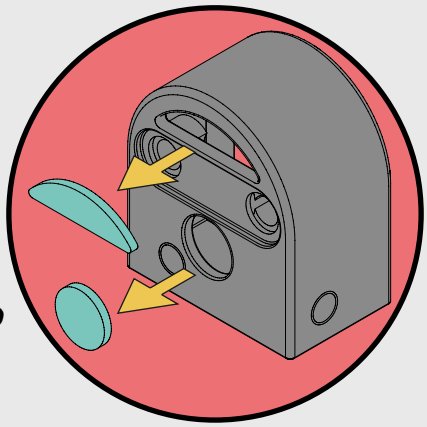
SENTIR edge

KS4 ASSEMBLY INSTRUCTIONS (SENTIR EDGE GF & F SERIES)

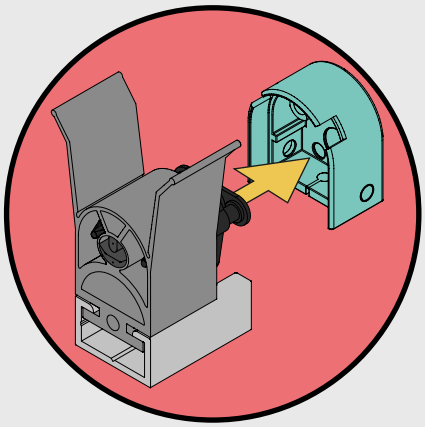
(ASSEMBLY INSTRUCTIONS SAFETY CONTACT EDGES MAY ONLY BE MANUFACTURED AND INSTALLED BY AUTHORISED PERSONS)



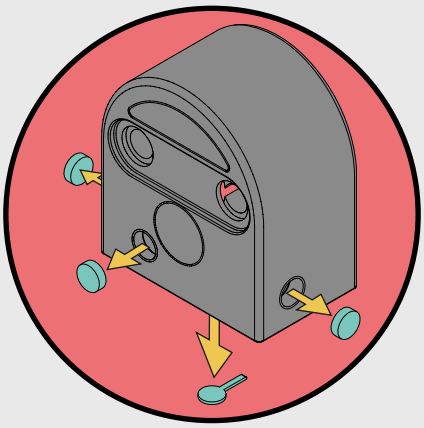
1. Cutting the safety contact edge
Cut the safety edge material 24mm shorter than the required finished length of the contact edge.
!WARNING! USE ONLY THE APPROVED LOWE 3306/3316 CUTTING TOOLS.



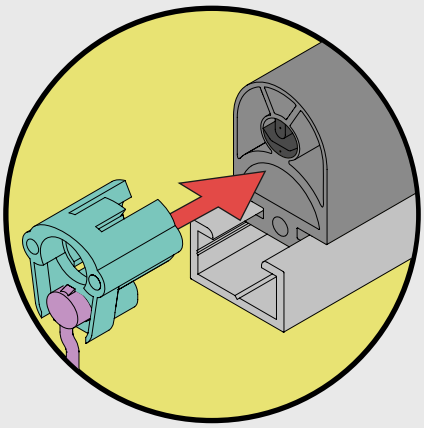
2a. Preparing end caps (drainage holes)
If the edge is to be mounted horizontally, remove the drain plugs from both ends. If the edge is mounted vertically, just remove the plugs from the end closest to the ground.



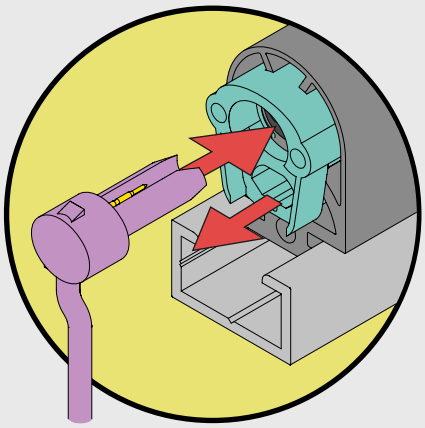
2b. Preparing end caps (sealing lip)
For the TTLL & TTLa profiles, remove a notch from the end cap to allow the sealing flaps to protrude through the end cap.



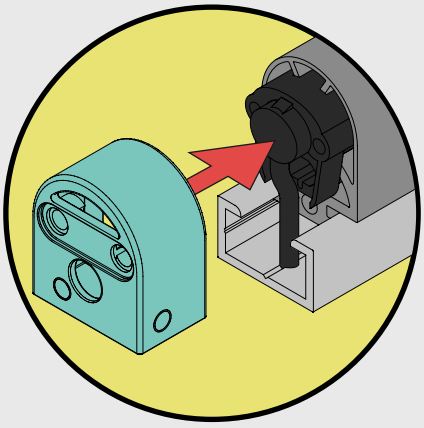
2c. Connection cable
Choose the desired cable exit of the endcap, then cut out the appropriate mark using a small cutting tool.



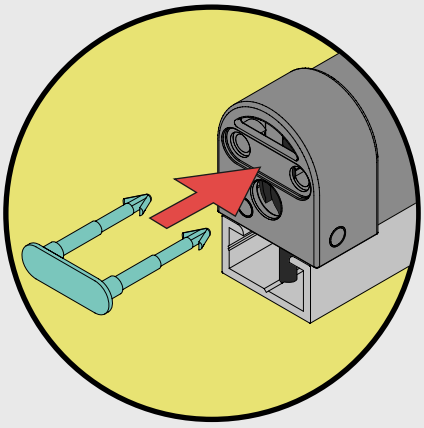
3. Insert the lock cap
Push in the lock cap including the attached plug into the hollow spaces surrounding the switching chamber and push it tight to the cut surface of the safety contact edge.



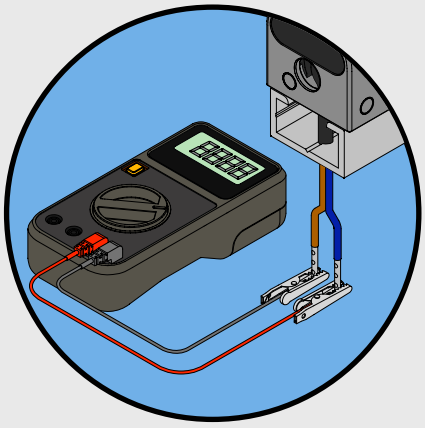
4. Insert the contact plug
Insert the attatched plug into the electrical switching chamber of the safety contact edge, be sure that the plug is pressed in tightly until the upper notch of the plug fits closely to the lock cap.



5. Place end caps
Push the endcaps neatly over each end of the safety contact edge to secure the build.



6. Insert fixation clips
Fasten the endcaps, by pushing the fixation clip into the given space until it clicks into place. For bigger contact edges an additional fixation clip is used to fasten the caps.

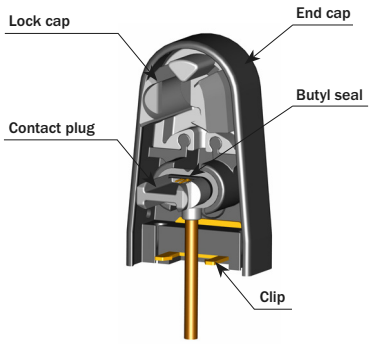


7. Electrical testing of contact-safety-edge
Measure the contact edge with a multimeter. In rest position, the resistance value has to be **8.2 kΩ ± 500 Ω (7.7 - 8.7 kΩ)**. When edge is activated, the resistance should not exceed **500 tΩ**.

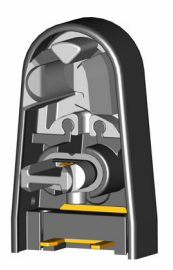
KS8 ASSEMBLY INSTRUCTIONS (SENTIR EDGE GE F SERIES)

(ASSEMBLY INSTRUCTIONS SAFETY CONTACT EDGES MAY ONLY BE MANUFACTURED AND INSTALLED BY AUTHORISED PERSONS)

Pre-assembled ASO delivered end cap with contact plug includes:



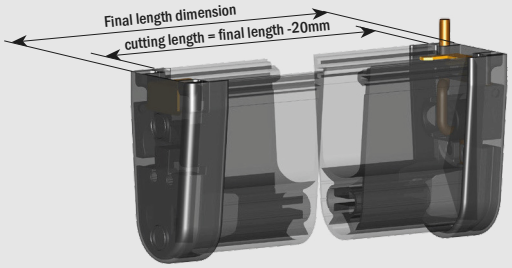
Contact plug with cable

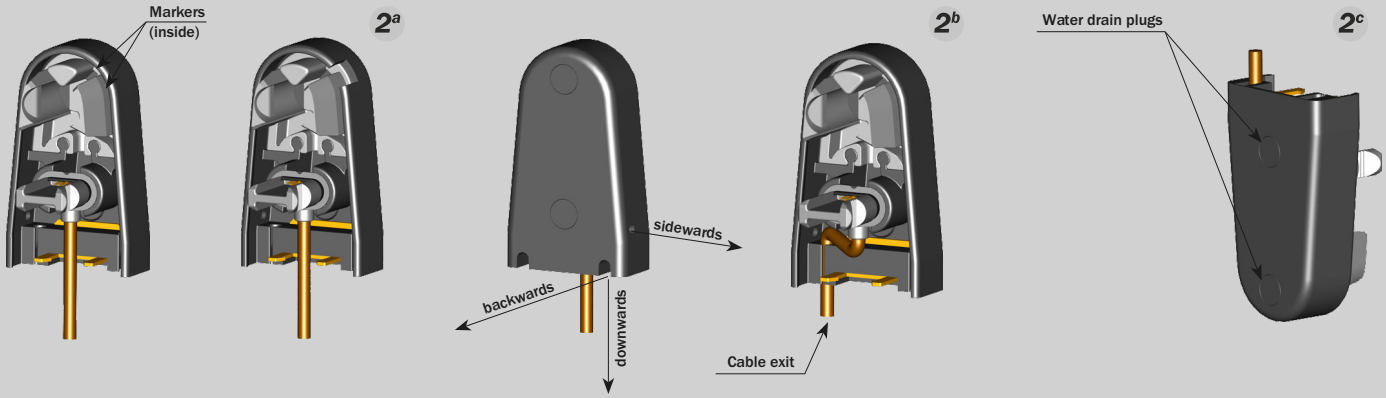


Contact plug with resistor

1. Cutting the safety-contact-edge

The safety-contact-edge is cut 20 mm shorter than the final length dimension to allow for the length of the end caps on each end. Make sure that the safety-contact-edge is cut clean and straight, using the approved LOWE cutting tool **ONLY.**





2. Preparing end caps

a) Notch for the weather-sealing lip

When assembling safety-contact-edges with weather-sealing lips, the end caps have to be notched where indicated to allow for the weather-sealing lip(s).

b) Connection cable

The connection cable exits the bottom of the end cap.

c) Water drain plugs

For installations in contact with water, it is necessary to remove water drain plugs. If the edge is to be mounted horizontally, remove drain plugs from both ends. If the edge is mounted vertically, just remove the lower drain plug.

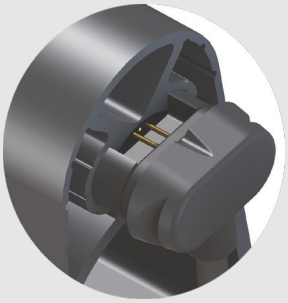
! NOTE: ! The ambient temperature during assembly should be between 10° and 30°C and the relative humidity between 40% and 70%. It is not recommended to attempt assembly in atmospheric conditions outside of these values, any attempt to do so may invalidate the product warranty. The profile should be stored in dry conditions and checked thoroughly before the cutting & assembly process for the presence of any moisture or damage.

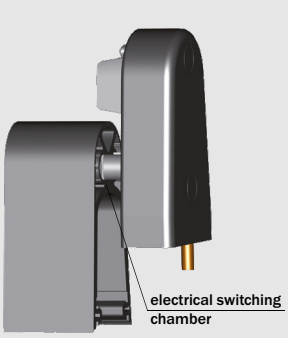
3. Insert the contact plug

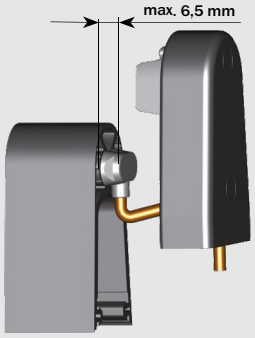
- Insert the plug, which is fixed to the end cap, into the electrical switching chamber of the safety-contact-edge.

- Please ensure that the plug is inserted parallel to the chamber so that both pins penetrate the conductive material blocks.

- The elastic butyl seal has to be pressed on tight to the edge (Max. 6,5 mm from plug base to profile)

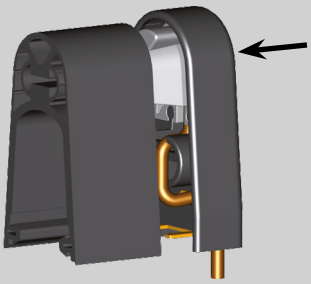






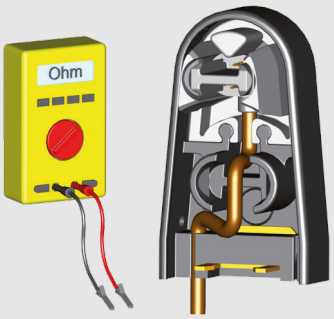
4) Put on end caps

Release the contact plug from end cap and then snap in the contact lock cap on the contact plug until it clicks into place. Apply pressure to ensure the end cap plug is fully inserted into the contact edge.



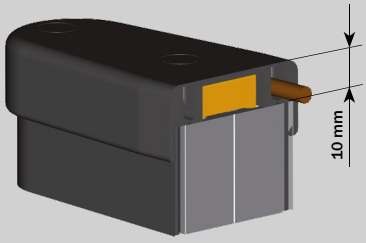
5) Electrical testing of the contact edge

Measure the contact edge with a multi meter. In rest position, the resistance value has to be 8,2 kΩ ± 500 Ω (7,7 - 8,7 kΩ).
When edge is activated, the resistance should not exceed 500 Ω.



6) Cutting mounting rail

The mounting rail has to be 20 mm shorter than the final dimension of the contact edge.



SENTIR edge

ASO GmbH & EasyGates exclude all liability for damage caused by incorrect installation of contact edges!