

ENGLISH

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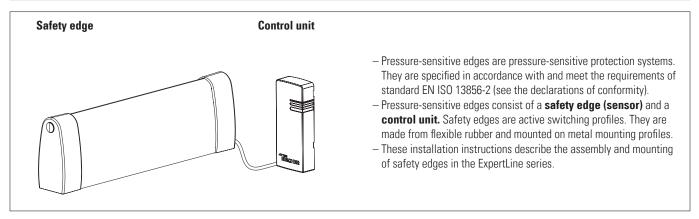
BIRCHER

Smart Access

ExpertLine EL45x99A1x / EL45x74A1x / EL45x49A1x

Assembly and mounting instructions

General



1 Safety instructions

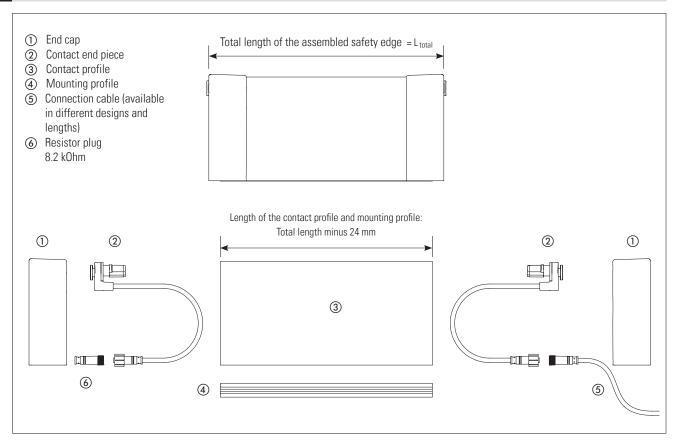
 These assembly and mounting instructions must be read completely before starting work and must be kept for future reference.

- The assembly, mounting, modification or retrofitting of safety edges and the commissioning of pressure-sensitive edges may only be undertaken by persons who have completed relevant professional training and have been authorised to carry out such work.
- To ensure effective operation of the protection system, the persons

undertaking these tasks will also need to have knowledge of the product-specific guidelines and standards that apply on the site where the pressure-sensitive edges are being used. An example of an applicable standard would be EN 12978 – Safety devices for power-operated doors and gates.

 Failure to comply with these safety instructions may result in severe or fatal injury and serious damage to property.

2 Component overview

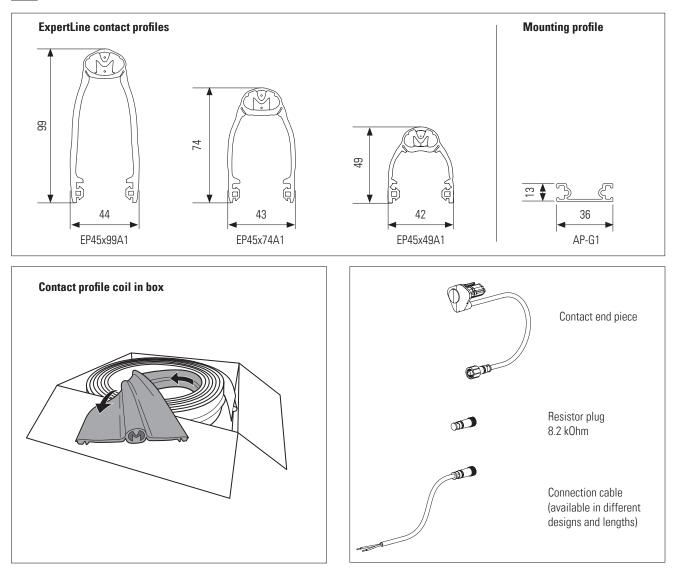


ExpertLine sensors can be delivered in a variety of formats.

- 1. As a set with contact profile and mounting profile cut exactly to the required length equally suitable for both customer-specific applications and the series production of industrial doors.
- 2. As a set in various standard lengths to be cut by the customer and for self-assembly of a sensor ideal for repairing doors quickly when carrying out service and maintenance in the field.
- 3. As individual components in larger packaging units suitable for self-assembly of ExpertLine sensors in industrial door manufacture. The **assembly** of sensors is described in Chapter 3 below; their **instal-lation** is described in Chapter 4.

3 Assembly of ExpertLine contact profiles

3.1 Overview of the individual components



3.2 Delivery format and storage of contact profile components

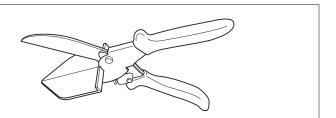
ExpertLine contact profiles are delivered in coils inside sturdy cardboard boxes on pallets. If they are to be put into long-term storage, the contact profiles must remain inside the boxes and the boxes stored laid flat. Contact end pieces, connection cables and resistor plugs are packaged separately and must remain inside their original packaging until used. The components must be stored in a dry location. Storage temperatures should be between 0°C and 40°C.

However, the components can be stored at temperatures from - 30 °C to + 60 °C for short periods of time, e.g. during transport.

3.3 Tools and accessories

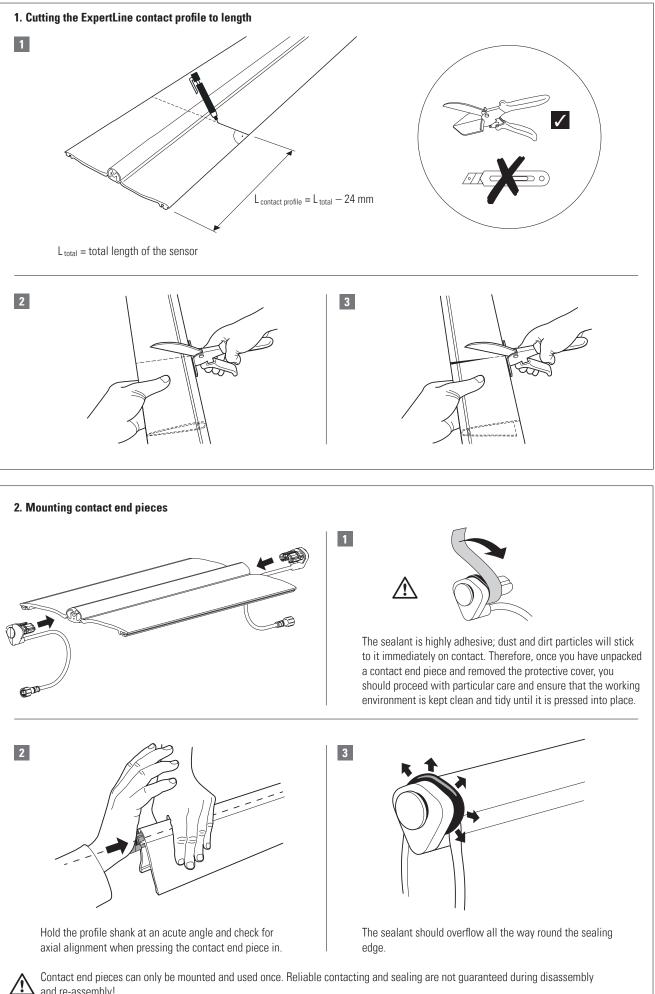
Rubber profile cutters "XL-Cut "

Risk of injury! Follow the safety instructions for the cutting device.

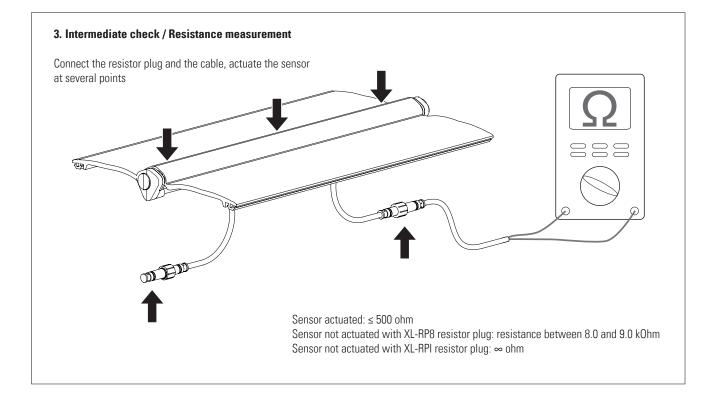


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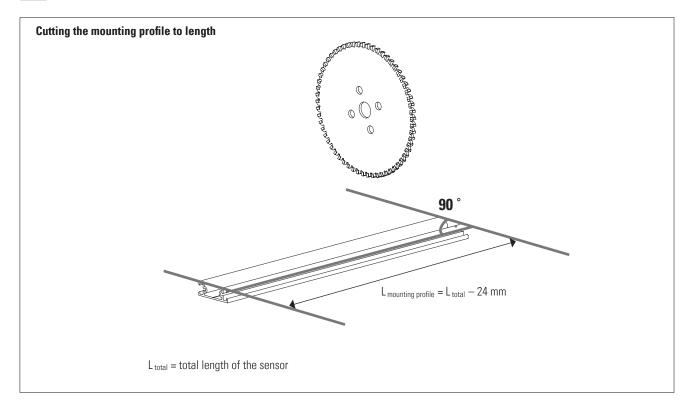
3.4 Assembly of contact profiles



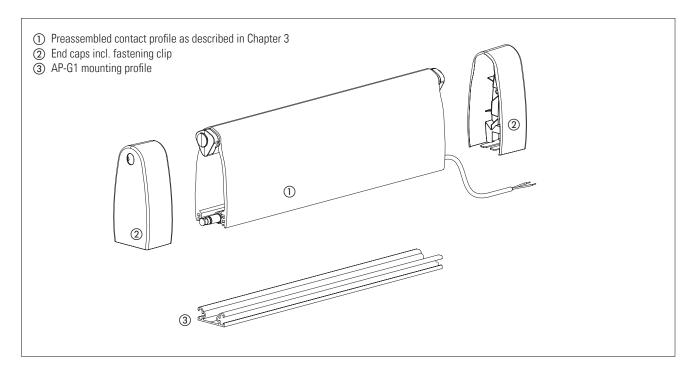
and re-assembly!



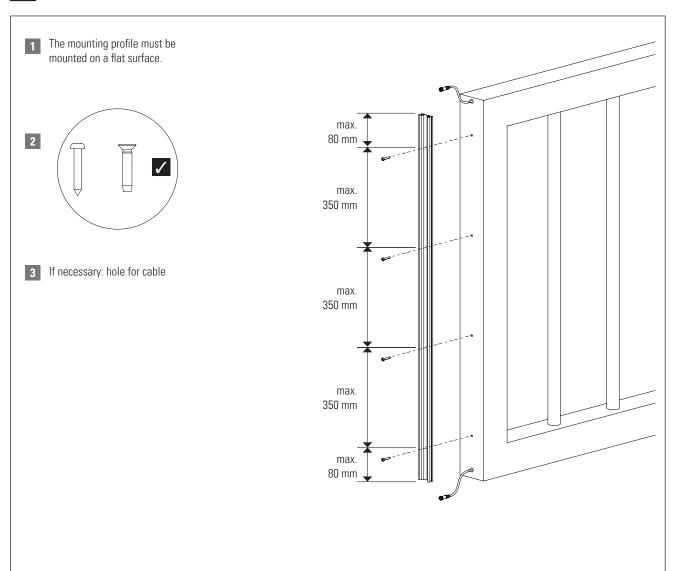
3.5 Preparing the AP-G1 mounting profile



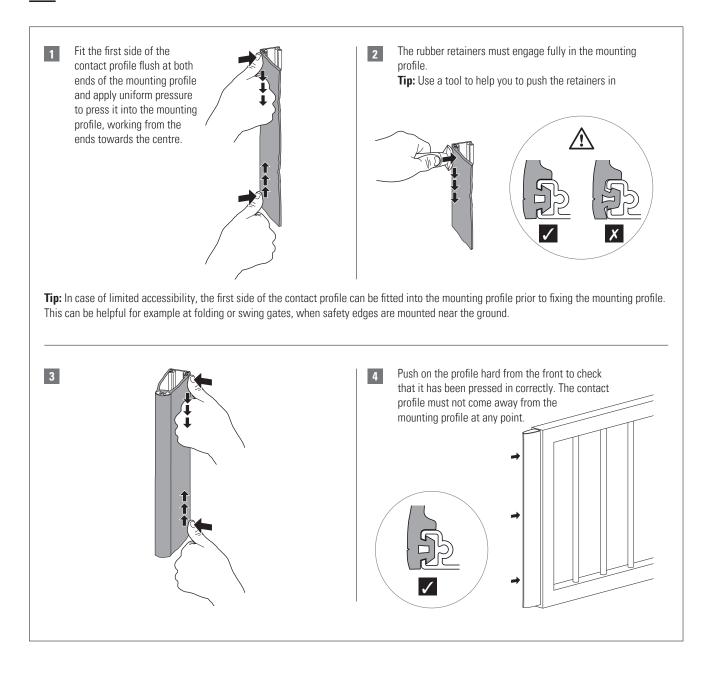
4.1 Overview



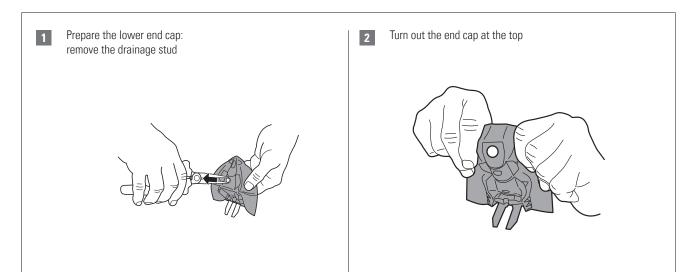
4.2 Mounting the AP-G1 mounting profile

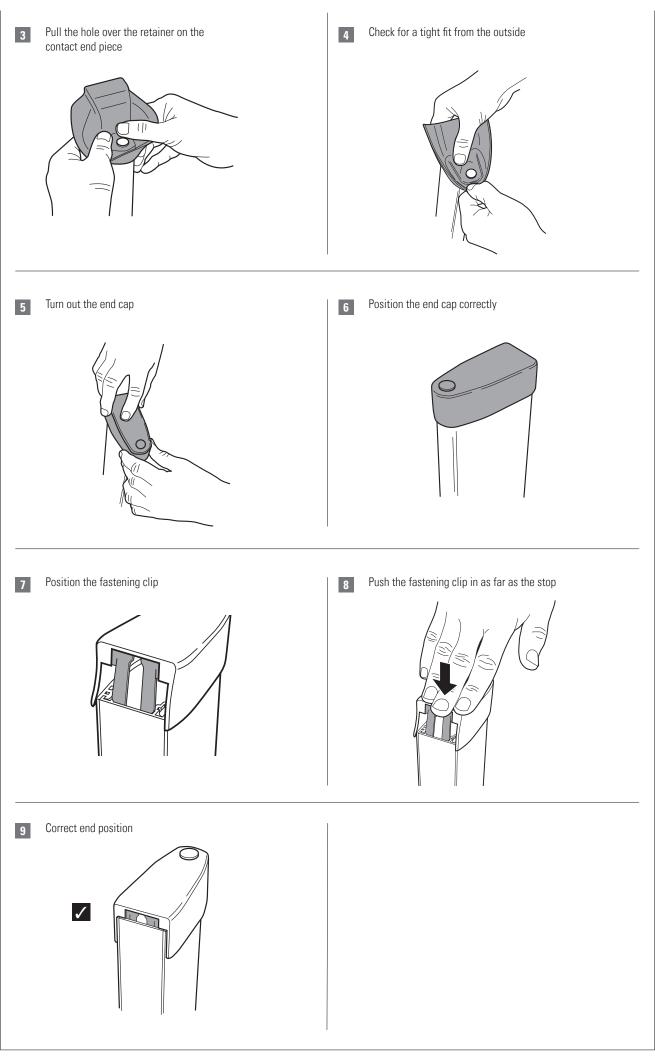


4.3 Mounting the contact profile onto the mounting profile



4.4 Mounting end caps





4.5 Checking the sensor installation

Once mounting work has been completed, the sensor must be tested to ensure it is functioning correctly. Measure the resistances by actuating the sensor at several points:

Sensor actuated: \leq 500 ohm Sensor not actuated with XL-RP8 resistor plug: resistance between 8.0 and 9.0 kOhm Sensor not actuated with XL-RPI resistor plug: ∞ ohm

5 Commissioning

Once the sensor has been installed, it must be connected to the control unit.



The operating instructions for the corresponding control unit must be followed when making the connection as well as when carrying out subsequent installation and commissioning work.

6 Contact

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