

Industry Solutions

Elevators and Escalators



SCHMERSAL
Safe solutions for your industry

Your Requirements our Solutions

Reliable Partner of the Elevator & Escalator Industry



Schmersal is one of the leading manufacturers of industrial safety control components. For more than 50 years we have been providing high quality control components for the elevator industry. Schmersal is a family owned company, headquartered in Wuppertal, Germany.

We offer the flexibility of an owner-managed, medium-sized company with an international presence. Our production sites are located in Europe, China and in South America.

- Wuppertal, Germany
- Wettenberg, Germany
- Mühldorf, Germany
- Shanghai, China
- Boituva, Brazil

Our products are supplied to the elevator manufacturers all over the world. Schmersal elevator products are designed and certified to the most common world-wide standards. For details about the approvals call our sales specialists or visit our website.
www.schmersal.com



Custom Solutions Wired Components

Schmersal follows the general trend in the industry, to deliver for medium and large production-lots, complete ready-to-install devices. That lowers total cost and simplifies logistics. Based on customer specification or our suggestions we supply switches complete with cable and termination, from a simple wire ferrule to solutions with connectors. The customer gets a tested and ready-to-use device of high quality. Packaging and lot size are adjusted to customers requirements. Labeling of the device and packaging can include customer part numbers, barcodes and manufacturing date. That will fit our product seamless in the customer logistic concept. All this reduces cost of handling in your production.



Custom Solutions Kits

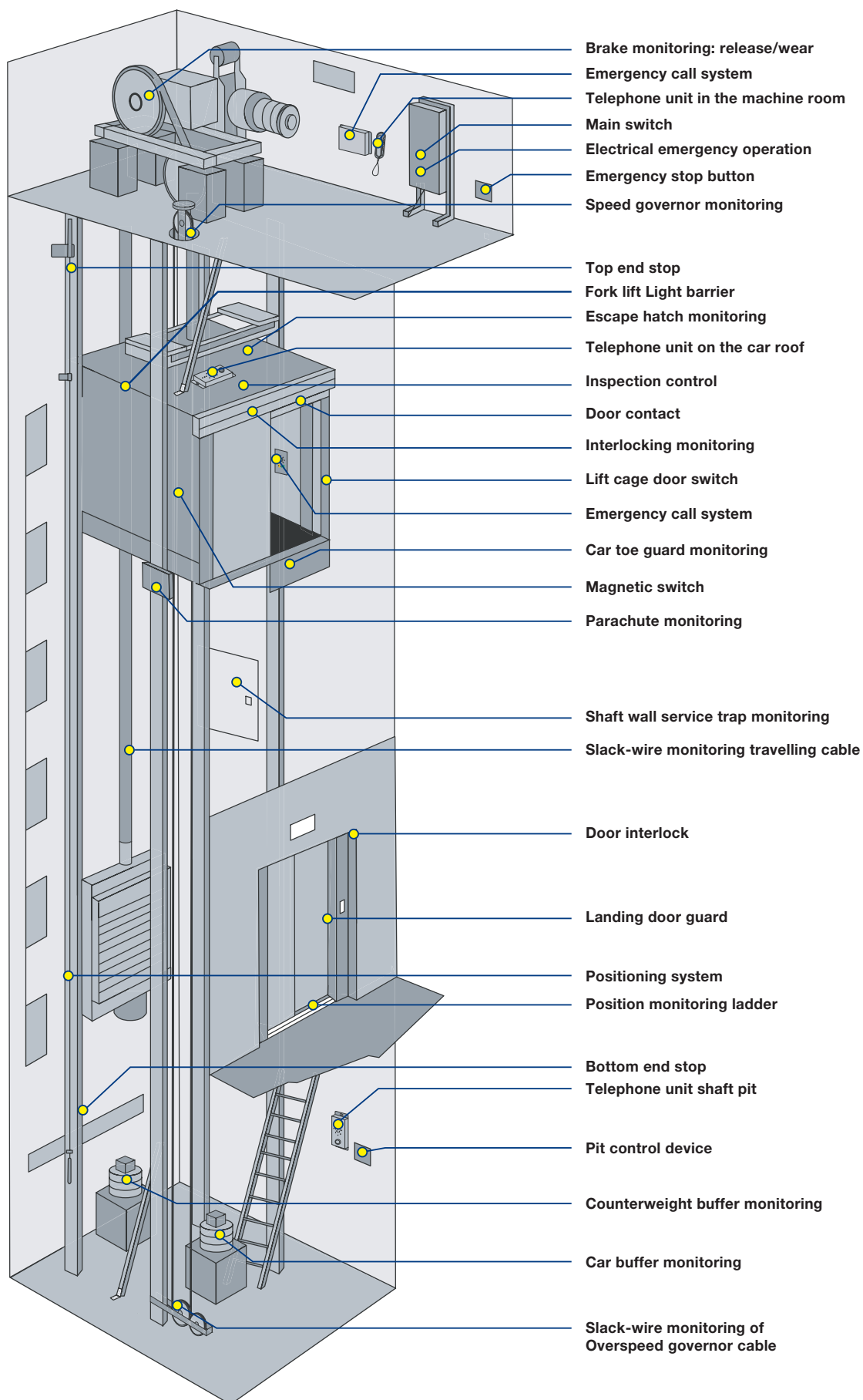
Ready assembled switches can be delivered as a kit. According to customers bill of material we pack all parts in plastic or boxes.

This includes

- cables,
- cable ties,
- brackets,
- labels,
- nuts & bolts and other accessories.

Elevator Safety Technology

The Background Assistant



Positioning

Ultrasonic Positioning System Serie USP

Switch the USP on and it will give you the absolute position value of your elevator.

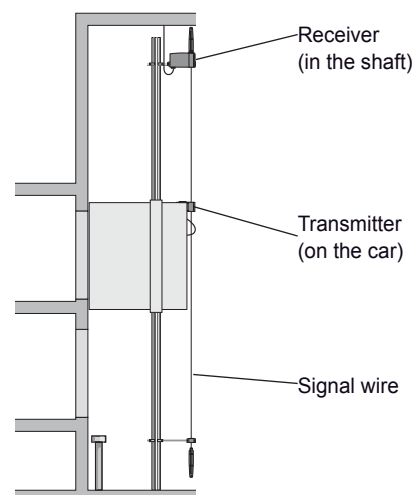
You can link the USP direct to your elevator controller via RS485 or CANopen interface or you can use the Parallel Interface USP-PI to generate digital outputs, similar to a standard magnet arrangement.

- USP 30 for hoist ways up to 30 m
- USP 100 for hoist ways up to 130 m
- Exact car position when power ON.
- Non contact system.
- No mechanical wear – long service life.
- Direct interface communication to your controller via RS 485 interface or CANopen 417 interface.
- Parallel Interface to convert the position value into 24 VDC outputs. Similar to a standard magnet arrangement for older style controllers.

Need more information? www.schmersal.com

Technical data USP30/100

Maximum rise:	USP30: 30 m / 98 ft	USP100: 130 m / 426 ft
Maximum car-speed:	USP30: 2 m/s	USP100: 8 m/s
Repeatability:	USP30: ± 3 mm	USP100: ± 1 mm
Ambient temperature:	USP30: -10°C to 50°C	USP100: -20°C to 60°C
Approvals	UL	



Magnetic Reed Switches Serie BN

Schmersal offer an extensive variety of reed switches with options for. NO, NC or bi-stable contacts. Different shapes and actuating directions will help you find the right switch for your application together with a selection of actuating magnets.



Inductive Proximity Switches Serie IFL

Reliable switching action without contact chatter at any speed without physical contact or magnet. Completely self contained and insensitive to vibration. No moving parts assure a virtually unlimited service life.



Position Switches with Safety Function

Limit Switches Series 196, 235, 236, 256, 335, 336

Metal and Thermoplastic, IP67, Positive Break, large Variety of Actuators

Safe and Reliable Crosspoint- Contacts for Standard and Low-Power switching, High contact surface pressure,

Series 196 will be available as of the 1. quarter 2011.



Special Versions for Elevators based on Series 235, 236, 256, 335, 336

Metal and Thermoplastic, Standard Rubber Rollers, high-speed low noise Rollers



Latching Safety Switches

Latching Switches with Mechanical Reset

Latching Switches with Electric Reset



Not all products in this folder are available in all countries. Please check local availability with your sales contact.

Monitoring and Locking of Doors and Floor Indication

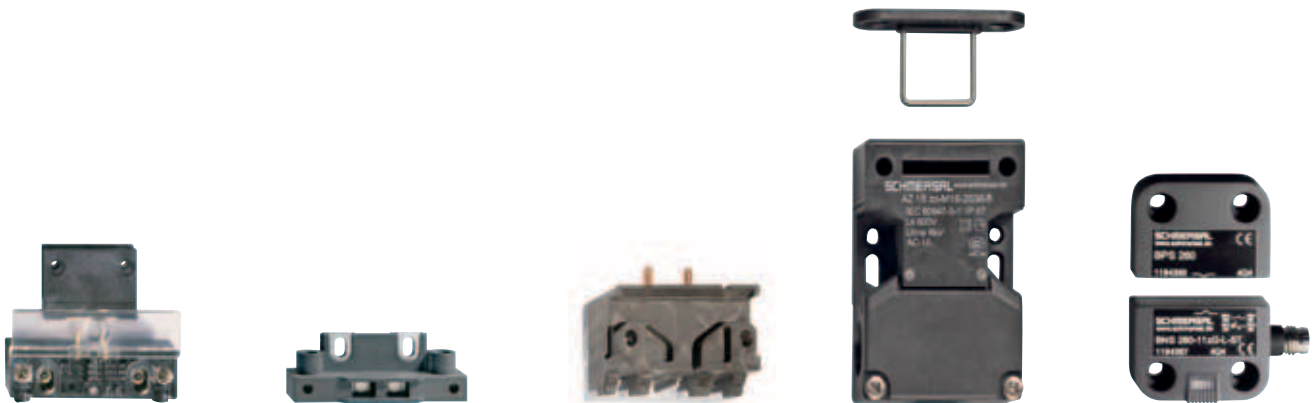
Door Locking Devices Serie AV

For single or double hinged doors. With or without checking device and inclined lock bolt. Compliant to EN81 1-2 and TÜV-certified. Actuation with pull strap or roller lever. Choice of thermoplastic or aluminium die cast housing.



Door Contacts Series AZ, BNS 260

Best-sellers and new innovations. Our extensive door contact programme has the right contact for any door. High quality manufacture to ensure a long lifetime and minimal maintenance.



Floor Displays and Voice Announcers

Quick to install and easy to program. High resolution dot matrix displays show floors, direction arrows and text messages of your choice. Gong functions and high quality audio using standard Windows *.wav files.



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Emergency and Inspection

SafeLine™ Emergency Call Systems

The high quality TÜV approved Emergency Call System specifically designed for elevators. On site recordable voice messages. Available with quad band GSM or PSTN telephone line. Supports open communication protocols. Fully compliant to EN 81-28 and EN 91-70: alarm filtering, start and end of alarm, self tests including audio and battery, pictograms, identification by voice message or DTMF protocol, inductive loop.



Top of car inspection and junction boxes (TOCI)

Inspection boxes, e-stops and junction boxes. Custom assembled to comply with your needs in the field. Supplied either Pre-wired with cable and plug assembly or terminals.



Push buttons and E-Stops

An extensive line of push buttons is also separately available for your own housings and cabinets. The push buttons fit standard 22,3 mm mounting hole diameter.





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