



Engineering Industry.
Powering Progress.

PRODUCT PROFILE

Schmersal Machine Safety Solutions

Complete machine safety from Germany, safety switches, interlocks, light curtains, safety PLCs, area scanners, enabling devices and elevator safety products. SIL3 / PLe.

Safety Switches

Solenoid Interlocks

Light Curtains

Safety PLC

Area Scanners

Elevator Safety

Ex Zone

ABOUT SSC CONTROL

Your single source for Schmersal

Leading industrial automation, safety solutions, and electrical distribution for over 60 years. Your link to excellence. SSC Control is the No.1 channel partner for Schmersal, supplying machine-safety switches, sensors and safety relays with full application and compliance support.

SIL3

Max Level

PLe

ISO 13849

IEC 62061

Certified

PRODUCT RANGE

Schmersal, Product Categories

01	Safety Switches with Separate Actuator	Separate Actuator Switches
02	Solenoid Interlocks	Guard Locking Interlocks
03	Position Switches / Limit Switches	Industrial Limit Switches
04	Pull-Wire Emergency Stop Switches	Rope Pull Emergency Stop
05	Safety Sensors	Non-Contact Safety Sensors
06	Safety Light Curtains & Light Grids	Type 4 Light Curtains
07	Emergency Stop Buttons	E-Stop Devices
08	Enabling Devices	Three-Position Enabling Switches
09	Safety Mats & Safety Edges	Pressure Sensitive Safety Mats
10	Safety Relays	SRB / SRR Safety Relays
11	Key Transfer Systems	Trapped Key Interlocks
12	Two-Hand Control Panels	Two-Hand Control Devices
13	Foot Switches	Industrial Foot Switches
14	Safety PLCs	Programmable Safety Controllers
15	Safety Field Boxes	Decentralised Safety Field Boxes
16	Safety Area Scanners	Laser Safety Scanners
17	Devices for Ex Zones	ATEX / IECEx Rated Safety
18	Elevator Safety Products	Lift & Elevator Devices
19	Positive-Operation Door Contacts	Elevator Door Contacts
20	Top of Car Inspection (TOCI)	Top of Car Inspection Device
21	Inductive Proximity Switches	Elevator Inductive Sensors
22	Magnetic Reed Switches	Elevator Reed Switches

01



SEPARATE ACTUATOR SWITCHES

Safety Switches with Separate Actuator

Safety position switches with separate coded or uncoded actuators for guard door and flap monitoring. Positive opening contacts, IP67.

SERIES

AZ 15 | Metal housing

AZ 16 | Thermoplastic

AZ 17 | Compact, 8 planes

AZ 200 | RFID electronic

AZ 201 | RFID, series wiring

02



GUARD LOCKING INTERLOCKS

Solenoid Interlocks

Solenoid-operated guard locking devices that physically lock guards until the machine reaches a safe state. 24V DC spring-applied locking.

SERIES

AZM40 | RFID, ultra compact

AZM150 | Slimline

AZM161 | Versatile

AZM201 | AS-i / series wiring

AZM300 | RFID, 3D actuator

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INDUSTRIAL LIMIT SWITCHES

Position Switches / Limit Switches

Industrial position and limit switches for machine position detection, end-of-travel sensing and non-safety interlocking applications.

SERIES

PS116 | Compact modular

PS215 | Mid size modular

PS315 | Heavy duty modular

Z / T Series | Metal & plastic

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ROPE PULL EMERGENCY STOP

Pull-Wire Emergency Stop Switches

Rope pull safety switches for conveyor lines and machines where emergency stop access is needed along the full machine length.

SERIES

ZQ 700 | Thermoplastic

ZQ 900 | Metal, long haul

ZQ 901 | Stainless steel

RS 655 | Two side

T3Z 068 | Heavy duty

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NON-CONTACT SAFETY SENSORS

Safety Sensors

Non-contact coded magnetic and RFID safety sensors for manipulation-resistant guard monitoring up to SIL3 / PLe without additional safety relay.

SERIES

CSS 300 | Electronic coded

RSS 16 | Compact RFID

RSS 260 | Hinge friendly RFID

BNS 33 | Coded magnetic

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TYPE 4 LIGHT CURTAINS

Safety Light Curtains & Light Grids

Type 4 and Type 2 safety light curtains and light grids for finger, hand and body detection at hazardous machine zones. IEC 61496 compliant.

SERIES

SLC 440 | Finger & hand

SLC 440 COM | Long range, Bluetooth

SLC 420 | High range

SLG 440 | Body protection grid

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E-STOP DEVICES

Emergency Stop Buttons

Safety-rated emergency stop push buttons with direct opening contacts in plastic and metal housings for machine-mounted and panel-mounted applications.

SERIES

BDF 200 | Control station

NDR | Washdown

RDRZ 45 | Compact mushroom

EDRR | Standard E-Stop

HDR | Heavy duty

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THREE-POSITION ENABLING SWITCHES

Enabling Devices

Three-position enabling switches and enabling handles for safe enabling of machine movement during setup, maintenance and teach-in operations.

SERIES

ZSD 6 | Handheld

ZSD 5 | Compact

ZSD 6 Module | Switch module

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PRESSURE SENSITIVE SAFETY MATS

Safety Mats & Safety Edges

Pressure-sensitive safety mats for floor-level person detection around hazardous machinery and safety edges for collision detection on moving parts.

SERIES

SMS 4 | Mat, alu profile

SE-P 40 | 40 mm safety edge

SE-P 70 | 70 mm safety edge

SSG Safety Bumper | Pressure bumper

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SRB / SRR SAFETY RELAYS

Safety Relays

Safety relay modules for processing E-stop, safety switch, light curtain and enabling device signals. Single and dual channel. SIL2 / PLd.

SERIES

PROTECT SRB-E | Configurable

SRB-E-301MC | Multifunction

SRB-EXi | Intrinsically safe

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TRAPPED KEY INTERLOCKS

Key Transfer Systems

Mechanical key transfer and trapped key interlock systems for enforcing safe isolation sequences on machines with multiple access points.

SERIES

SHGV | Trapped key guard lock

SVE | Switch latch interlock

SVM | Key distribution station

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TWO-HAND CONTROL DEVICES

Two-Hand Control Panels

Two-hand control panels and anti-tie-down devices that require both hands to be active simultaneously for safe machine activation. Type IIIC.

SERIES

SEPK 02.0 | Thermoplastic

SEPG 05.3 | Ergonomic alloy

SEP 09.0 | Aluminium

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INDUSTRIAL FOOT SWITCHES

Foot Switches

Safety and non-safety foot switches for hands-free machine control in press, welding and medical applications. Single and double pedal versions.

SERIES

TFH 232 | Safety foot switch

T2FH 232 | Two pedal

LKF | Thermoplastic

NKF | Compact flat

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PROGRAMMABLE SAFETY CONTROLLERS

Safety PLCs

Programmable safety controllers (PSDI) for complex machine safety logic replacing multiple safety relays. Up to SIL3 / PLe with I/O expansion.

SERIES

PROTECT PSC1-C-10 | Compact

PROTECT PSC1-C-100 | Modular

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DECENTRALISED SAFETY FIELD BOXES

Safety Field Boxes

Decentralised safety field boxes for connecting safety devices in the field over safety bus networks. Reduces panel wiring complexity.

SERIES

Safety Fieldbox SFB | Field box

SFB Port Extender | Expansion

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LASER SAFETY SCANNERS

Safety Area Scanners

Laser area scanners for flexible zone-based safety protection of robot cells, AGVs and collaborative workspaces. SICK and Schmersal compatible.

SERIES

UAM-05LP | 2D LiDAR scanner

UAM-05LP-T301 | 270 degree

UAM-05LPA-T301 | Multi-zone

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ATEX / IECEX RATED SAFETY

Devices for Ex Zones

ATEX and IECEX certified safety switches, position switches and interlocks for Zone 1, Zone 2, Zone 21 and Zone 22 hazardous area applications.

SERIES

EX-AZ16 | Safety switch

EX-AZM161 | Ex solenoid interlock

EX-T / EX-Z 235 | Ex position switch

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LIFT & ELEVATOR DEVICES

Elevator Safety Products

Complete range of Schmersal elevator safety products including positive-operation door contacts, TOCI, proximity switches and control systems.

SERIES

AZ Door Contacts | Positive break

AZ 16 Keyed Interlocks | Coded interlock

AV 15 / 20 / 25 Door Locks | Certified door locks

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ELEVATOR DOOR CONTACTS

Positive-Operation Door Contacts

EN 81-20 compliant positive-opening door contacts for elevator landing doors and car doors with safety contacts meeting elevator safety standards.

SERIES

AZ 05 | Compact

AZ 06 | Plunger

AZ 13 | Hinge

AZ 15 Tongue | Tongue actuator

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TOP OF CAR INSPECTION DEVICE

Top of Car Inspection (TOCI)

Top-of-car inspection control unit for safe elevator maintenance and inspection operations from the roof of the elevator car.

SERIES

TOCI Inspection Unit | Inspection station

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ELEVATOR INDUCTIVE SENSORS

Inductive Proximity Switches

Inductive proximity switches for elevator shaft position detection, floor level sensing and door zone detection in elevator systems.

SERIES

IFL 333 | Block inductive | **IFL Cylindrical** | Cylindrical | **IFL Slot** | Slot inductive

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ELEVATOR REED SWITCHES

Magnetic Reed Switches

Magnetic reed switches for non-contact position detection in elevator shafts, including floor level, door zone and terminal limit applications.

SERIES

BN 20 | Rugged reed | **BN 310** | Flat reed | **EX-BN 20** | Explosion proof

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LIFT CONTROL ELECTRONICS

Elevator Control Systems

Schmersal elevator control system modules and safety monitoring units for integrated elevator safety chain monitoring and management.

SERIES

USP Ultrasonic Positioning | Absolute positioning | **Magnetic Reed Position** | Zone signals

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TOF CAMERA SAFETY SENSOR

Time-of-Flight (ToF) Camera

3D Time-of-Flight camera safety sensors for elevator car occupancy detection, fall detection and advanced passenger monitoring applications.

SERIES

AM-T100 | 3D ToF camera



Let's power your next project.

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