

## SCS Smart Control Systems – SCS200

The intelligent and compact power distribution



# Technical information

## SCS Smart Control Systems – SCS200

More and more smart components in the vehicle and less and less installation space are topical subjects in the market. The **SCS200** is the right answer to all these requirements.

It is an intelligent power distribution system, allowing decentralised control and monitoring of loads via the CAN bus. The design features a pcb-based power distribution in a compact IP67 enclosure.

The **SCS200 modules** are plug-and-play solutions which help you reduce space and wiring time. Diagnostic capabilities (load current, voltage, load protection, status) and integral CAN connection ensure reliability and connectivity at the same time. The **SCS200** was especially designed for the use in construction machinery, agricultural machinery and special vehicles.

### Technical data

Supply voltage	DC 12 V / DC 24 V
Max. load current per channel	4 x 30 A, all additional channels 10 A
Analog inputs	6 analog inputs (voltage)
Ambient temperature	-40...+ 85 °C
Degree of protection	IP66 / IP67
Load protection	integrated electronic load protection (current rating is configurable) <b>relay version:</b> additionally fuses / CBs
CAN standard	SAE J1939, CAN 2.0 B
Diagnostic functions	load current, total current, voltage, output status, overload indication

### Your benefits

- **Enhanced safety and load management** through diagnostic functions and CAN connectivity
- **Space-saving and flexible installation** due to compact IP 67 housing
- **Reduction of wiring effort** through Plug&Play solution



The fully electronic version of the **SCS200** features a compact design and protects against incorrect assembly. 8 and 12 channels are available in the same design.

### Typical applications

- Agricultural machinery, construction machinery, special vehicles, trucks and buses
- Decentralised power distribution
- Replacement of industrial distribution systems

### Standards

- ISO 16750
- IATF 16949
- ECE R10
- SAE J1939

### Product versions

- 8 channels, fully electronic (12 V)
- 12 channels, fully electronic (12 V)
- 8 channels, relays + fuses / CBs (12 V)
- 8 channels, relays + fuses / CBs (24 V)



The relay version of the **SCS200** allows flexible population and easy replacement of the switching elements.



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