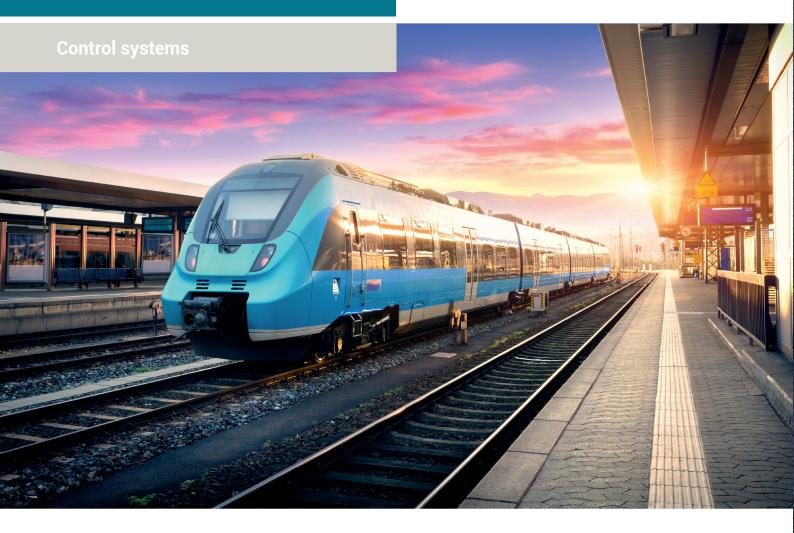
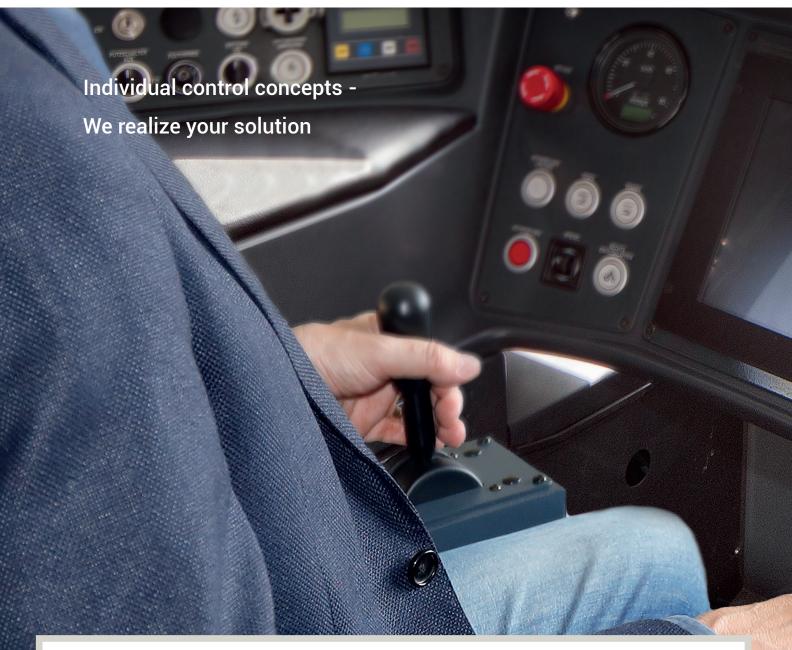


Railway





TRADITION AND EXPERTISE

The company was founded in Blaubeuren by Karl Spohn and David Burkhardt in 1920 and is still 100 percent family-owned.

Today, with 200 employees, we manufacture a broad production program of joysticks, control stations and resistors of recognized quality at two locations.

With engineering knowledge and decades of experience, we solve your problems together with you and accompany you from start to finish. That is our strength and at the same time the basis of our success.

As a Swabian medium-sized company, our strength lies in the unbeatable advantage of being able to react quickly

and flexibly. When technology is moved around the world, Spohn + Burkhardt is usually the trigger.

FACTS AND FIGURES

- Founded in 1920 by Karl Spohn and David Burkhardt
- · Headquarters Blaubeuren
- · Plant Schelklingen
- About 65 representatives in 45 countries
- · About 200 employees





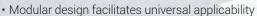


Drive-brake controller

FRS-NNS0







- Optional versions for slim lateral consoles and armrest housings
- · Optional designs with low mounting depth for flat consoles
- Manufactured using tried-and-tested standard components
- Variable switching angles with notching positions, friction brake or spring return
- Customised contact assembly and contact circuits
- Optoelectronic encoders, potentiometers or HALL sensors
- Bus interfaces, e.g. CANbus, ProfiNet etc. on demand
- Customised combinable with various handles, with or without additional functions
- Plug & Play wired ready for connection
- · Audits carried out accor. to international rail-vehicle standards



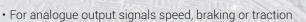
- · Compact design with low installation depth
- Modular design
- Stay put and momentary contact positions
- · Suitable for installation in a console or armrest
- Customised contact assembly and contact circuits
- Tried-and-tested switching elements
- · Handles in various designs, with or without additional functions



FBS-SFZ-A

FBS-SFZ-D



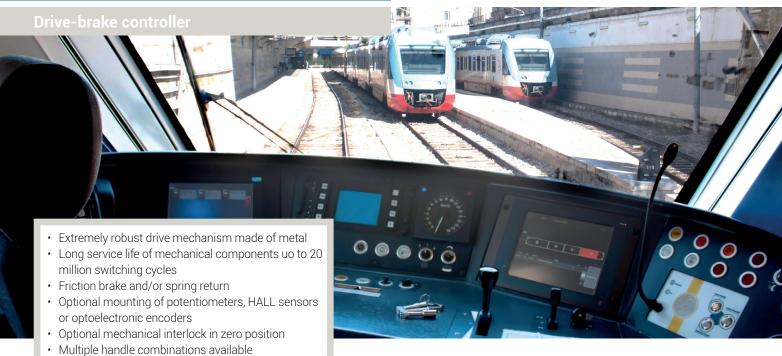


- Suitable for installation in driver's console or armrest
- · Robust mechanical construction for long service life
- Stay put, momentary contact positions and stepless controlling ranges
- Mechanical interlocks for travel stops
- HALL sensors, CANbus interface optional
- · Various handle designs and functions available
- · Tests carried out accor. to international rail-vehicle standards



- For digital output signals: speed, braking or traction
- Suitable for installation in driver's console or armrest
- Mechanical construction extremely robust for long service life
- · Stay put and momentary contact positions
- · Mechanical interlocks for travel stops
- · Customised contact assembly and contact circuits
- · Handle, optionally with additional functions
- · Tests carried out accor. to international rail-vehicle standards

FBS





1-axis



Angle ±°



Max. achevable protection category outside | inside



Installation from below



Number of notches



Spring return



Friction brake



Surrounding temperature



Switching cycles



Max. voltage/current



Max. number of contacts each direction of movement



Potentiometer, Encoder, Hall



Bus systems



Analog output, resistance



ELF





Representatives of Spohn + Burkhardt National and international



More than 65 representatives in 45 countries Find out more on our website **www.spobu.com**

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