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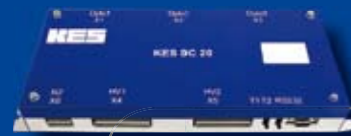


**Trustworthiness, expert advice, competence, reliability and service – these are much more than just words for us. They form the basis and motivation of our work.**

We have many years' experience with design, development and production of microelectronic control systems. Our scope of business contains the development and production of electronic control systems for:

- railway vehicles
- industrial machines

Our strength lies in the development of market-driven products and their adaptation to customer-specific applications. We strive for competence, flexibility, high quality standards and last but not least customer satisfaction.



Door control system for passenger car, EMU and DMU vehicles



SWKP AS 20 F is one of the versions of the WSP system SWKP AS 20. It comes in an extremely robust stainless steel housing. This type of WSP electronic is suitable for installation at the car body and thus for application in freight cars.



EP control and emergency brake override system for locos and control cars in 19" version allow activation of EP control components and emergency brake override components in the train and diagnosis of the monitoring loops according to UIC MB 541-5.



The high flexibility of the 19" WSP system (SWKP AS 20 R), the space-saving version of the compact WSP system (SWKP AS 20 C) and the widest supply voltage range available on the market guarantee universal installation in all types of passenger cars.



Our range of products comprises dump valves, EP valves, changeover valves, pressure limiters - and a lot more.



A wide variety of speed sensors is available for speed monitoring. The sensors of the SWKP IG 20 family have one, two or four speed outputs (either current or voltage output) and an optional direction signal. They are available in different types of housings, with different cable length and various connector types.



As we are a system supplier, it is understood that our product range also comprises mechanical components such as phonic wheels and junction boxes.



Adhesion problems between rail and wheel in the context of braking and energizing are well-known in the railway industry. Our WSP systems provide a perfect solution for these problems and safeguard short braking distances even with low adhesion, guarantee reliable avoidance of wheel flats and enable a variety of optional functions within the scope of vehicle control.



NBA emergency brake monitoring system and EP control for passenger cars.



Axle generators of the SWKP GE 20 family with an output of up to approx. 100W safeguard the independent power supply of WSP systems or similar applications e.g. in freight cars.



The product family SWKP MV 20 comprises dump valves with low response times for various applications. They are available with a nominal diameter of 1/2" or 1" and with pressure gauge as an option.