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PINTSCH
Safety for Rail

Level crossing technology.

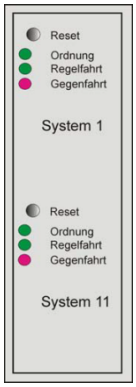
Safe. Reliable. Capable.

FSP-RS

PINTSCH-type wheel sensor

FSP-RS
PINTSCH-type wheel sensor

Application

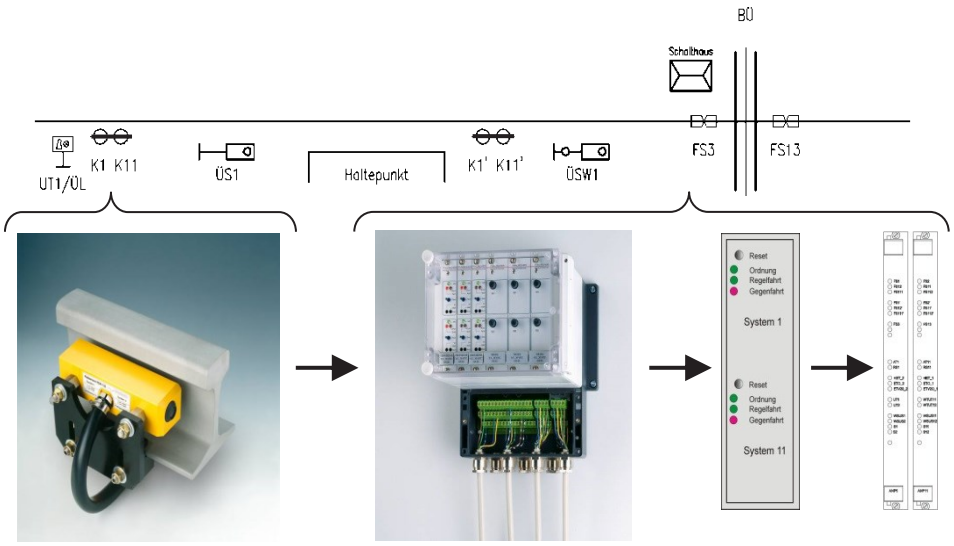


The **FSP-RS** PINTSCH-type train detection system consists of the Frauscher wheel-sensor system and the PINTSCH **RSA** wheel-sensor evaluation module and is used as a distributed activation sensor for level-crossing control systems or as a train approach indicator for signal cabins (interlocking towers) in case of constricted space and/or steel sleepers (ties) near the strike-in points. FSP train detection systems are primarily used in the case of wooden or concrete sleepers (ties) and in case of Y-steel sleepers.

The wheel sensor is designed for train speeds of 5 to 180 km/h. The FSP-RS wheel sensor can be used on level-crossing control systems at strike-in points as a replacement for the FS1/11 and/or FS2/12. Twisted star quad cables must be installed under all circumstances between the wheel sensor at the rail and the evaluation module in the equipment building.

Features:

- Extremely reliable
- Immune to eddy-current brakes
- For train speeds from 5 to 180 km/h
- For use in constricted spaces and/or on steel sleepers
- Display of ACTUAL states on RSA module
- Can be used with one or two wheel sensors at strike-in point
- Twisted star quad cables necessary along rail line



RSR122 | Evaluation module | RSA | RBÜT

ISO 9001:2008 BUREAU VERITAS Certification

088 027 822-000 (12.13 en)

FSP-RS
PINTSCH-type wheel sensor

Functional principle

The RSR122 consists of two electrically isolated sensor systems. “Unprotected” strike-in points (only in case of crossing-protection signals), consisting of a single wheel sensor using both sensor systems or “protected” strike-in points (in case of crossing-protection signals, Fü and $ÜS_{OE}$), consisting of two wheel sensors in each case, using the inner sensor system of each sensor, can be implemented.

The Frauscher evaluation unit and, where necessary, the PINTSCH RSA wheel-sensor evaluation module, are installed in the equipment building. The RSA module consists of a primary power supply and two independent evaluation units (designated System 1 and System 11), which process the signals from the Frauscher evaluation unit for the level-crossing control system.

Subject to technical changes

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