Platform Screen Doors.
Safe and green.

PINTSCH BAMAG
Antriebs- und Verkehrstechnik GmbH
Hünker Str. 149
D-46537 Dinslaken
Phone +49 (0) 20 64/602-0
Fax +49 (0) 20 64/602-266
www.pintschbamag.de
info@pintschbamag.de

PINTSCH BAMAG
A Schaltbau Company
**Platform Screen Doors**

**Safe and green**

**INTRODUCTION TO PINTSCH BAMAG**

The Schaltbau Group develops and supplies systems and components for transportation technology and industrial applications worldwide. The operating activities of the Schaltbau Group are divided into three segments: mobile transportation technology, stationary transportation technology, and components segment.

The PINTSCH GROUP is responsible for the stationary transportation technology and is formed by the subsidiaries PINTSCH BAMAG, PINTSCH ABEN, PINTSCH TIEFENBACH, and PINTSCH BUBENZER.

PINTSCH BAMAG specialises in control and safety systems for rail infrastructure and is a key supplier to German Railways and to various foreign rail infrastructure providers. The product portfolio covers railway crossing safety technologies as well as Platform Screen Doors, which provide passenger protection to the continuously growing public transportation sector. PINTSCH ABEN supplies rail point heating systems and tunnel safety illumination equipment. PINTSCH TIEFENBACH completes the infrastructure portfolio with railway signalling equipment, train formation facilities, and sensor technology for industry and mining. PINTSCH BUBENZER manages the brakes business field.

**SECRET WORD**

Our customers rely on the following main features of PINTSCH BAMAG PSDs:

- EN 50126 SIL 3 certified safety functionality
- Maximum reliability due to redundant architecture and high-quality components based on PINTSCH BAMAG long-term proven safety-related technology in the rail infrastructure sector
- DOORTRONIC® for autonomous PSD operation, independent of signalling and vehicle communication
- Integrated Uninterruptable Power Supply (UPS) for extended availability
- Web-based visualization for fast and detailed remote system diagnostic
- Low maintenance cost and long service life due to state-of-the-art technology
- Modular customisable design
- Low energy consumption due to focus on energy-efficient components and optimised electrical design

**PINTSCH BAMAG PLATFORM SCREEN DOORS**

The PINTSCH BAMAG Platform Screen Doors (PSD) allow driverless train operation, decreased signal headway and therefore increased train frequency. Enhanced reliability of the metro system while increasing passenger flows and decreasing incidents at the platform edge bring benefits to both passengers and the operators. PINTSCH BAMAG PSDs are currently in use in Shenyang (China) and in the city of São Paulo (Brazil).

**SUMMARY**

PINTSCH BAMAG is looking forward to give a detailed personal presentation and lists the key advantages of its Platform Screen Doors as follows:

- SIL 3 certification according to EN 50126
- Autonomous control, no need for CBTC
- UPS for extended availability
- Redundant architecture for safe operation
- Modular system design
- Efficient installation
- Low noise door operation
- In-house adaptation engineering
- Low energy consumption
- Intercultural competence
- Flexible business models

**OPTIONS**

PINTSCH BAMAG offers maximum flexibility for its customers. Customers can choose from the following options:

- Touch panel computer for user-friendly diagnostics
- Web-based remote diagnostics interface
- Sliding steps as boarding systems to close the gap between vehicle and platform
- Illuminated indicators at entry points on the platform
- Smart voltage-limiting device for grounding and bonding and increased customer comfort by reduced unpleasant touch potential (OVPD)
- Transponder technology for synchronous movement of train and PSD door
- Track-side position signal for driver
- Additional remote operation panel
- Local control panel for each door
- Flexible platform end door design

**ACRONYM DESCRIPTION**

- CBTC: Communication Based Train Control
- OVPD: Over Voltage Protection Device
- PSD: Platform Screen Door
- SIL: Safety Integrity Level
- UPS: Uninterruptable Power Supply
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