

Trackside signal

PINTSCH BAMAG P145 / P145L / SP200

Trackside signal to indicate the status of level crossings to the train engine driver

Use

In case of locally monitored level crossings trackside signals are located on the line ahead of the level crossing. They inform the train engine driver whether the level crossing has been closed and may be entered.

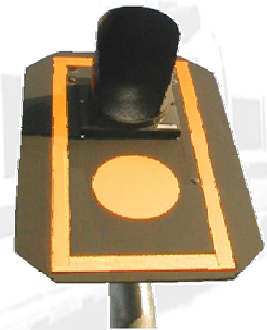
The signal indication that a level crossing may be entered is only activated by the control unit when the level crossing has been technically protected. Dependant on the layout of the level crossing this means that the red roadside signals are ON or the barrier arms are lowered. The basic signal pattern remains unchanged if the crossing is not protected. In Germany two different types of signal are available: BUE0/1 with flashing light and So16 with steady light.

Safety can be enhanced with the aid of an inductive train protector (known as INDUSI), the use of which is obligatory on German Railway (DB) lines with a speed of more than 50 km/h. This device causes the train to be stopped if it overruns a signal which has not been cleared. A corresponding magnetic coil is fitted in the track for this purpose.

Mechanical design

The distributions box for the switching device, the mast sign and signal shield with type P145 / P145L / SP200 signal lamp are mounted on a galvanized steel post with rungs. Dependent on the requirements the mast can equipped with a covered platform for carrying out the specified maintenance work. In Germany the signal is mounted on a foundation of standard prefabricated concrete elements.

The filament lamps P145 and SP200 are equipped with high-pressure signal lamps with 12V DC / 6W. The P145 is interchangeable with the LED version P145L which is due its the long availability period of 10 years an economically reasonable solution.



BUE0/1 with SP200



BUE0/1 with P145
or P145L



So16 with P145 or P145L