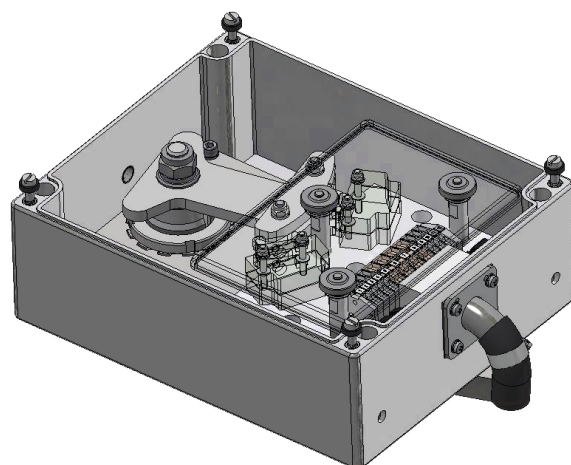




PointSWing SPA

End position checking unit

- Independent point position check
- Easy installation and setting
- Minimum maintenance
- Possibility to tamp points without dismantling
- Resistant against mechanical impacts of railway traffic
- Double cover protection against operational and atmospheric impacts



GENERAL DESCRIPTION

The end position checking unit PointSWing SPA (further SPA) is a failsafe element of the railway safeguarding technology.

SPA is designed for multipoint check of the closed point blade end position and for indication of the railway vehicle movement from the wrong direction into non-trailable point with the fixed or movable frog.

SPA is installed in between two sleepers on the extended point slide rollers.

BASIC TECHNICAL DESCRIPTION

SPA is electromechanical equipment checking the point blade position against the stock rail.

SPA circuits provide two-pole circuit disconnecting and can be connected to the checking circuit of the electromechanical point machine or used in a separate circuit.

SPA evaluates the closed point blade position when the point blade approaches the stock rail for less than 8 mm and indicates the prospective obstacle bigger than 12 mm between the point blade and the stock rail.

SPA indicates the railway vehicle movement from wrong direction if the point blade approaches the stock rail for less than 60 mm.

SPA consists of a lobe and two micro-switches installed in the aluminum alloy housing attached to the extended point slide rollers through the carrying set.





BASIC TECHNICAL PARAMETERS

Insulation resistance between live parts and ground	min. 20 MΩ
Electric strength	4 kV, 50 Hz
Cover rating	IP 54
Temperature range	-40 °C to +70 °C
Weight (including accessories)	approx. 60 kg



SPA with the point



SPA – detail of installation