END POSITION CHECKING UNIT SPA

- **Easy installation and set-up**
- **Minimum maintenance requirements**
- **Possibility to tamp points without dismantling the checking unit**
- **Construction resistant against mechanical impacts of the railway traffic**
- **Double cover protection against atmospheric impacts**

General Description
SPA end position checking unit is a failsafe element of the railway safeguarding technology.

It 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 system with the fixed or movable frog.

It 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. The unit 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.

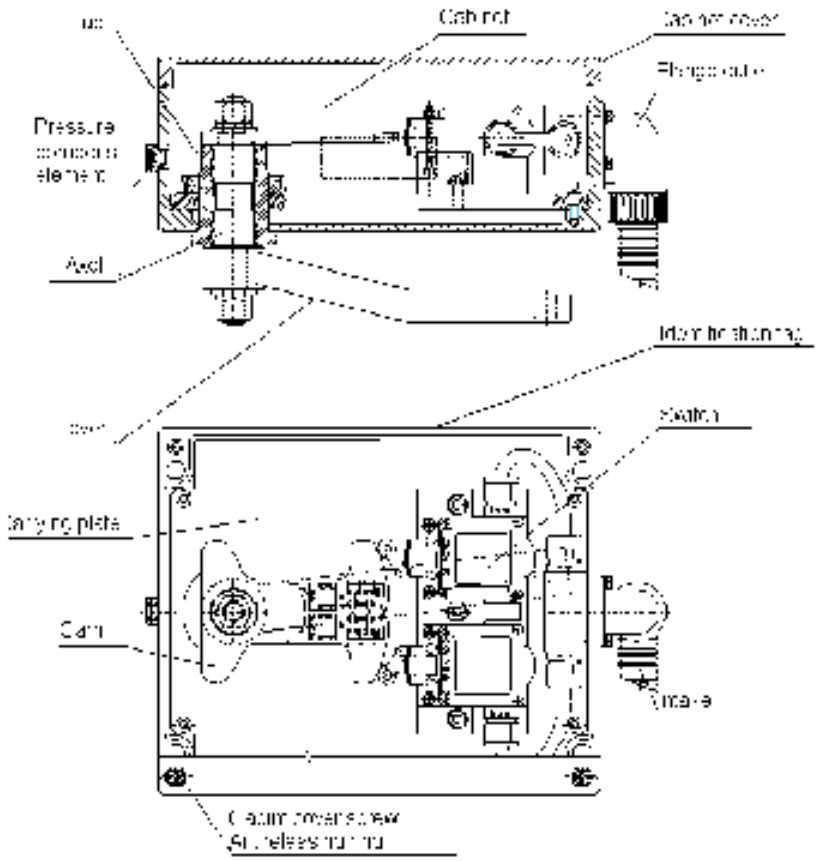
SPA End Position Checking Unit enables to evaluate the closed point blade position when the point blade approaches the stock rail for less then 8 mm and indicates the prospective obstacle bigger than 12 mm between the point blade and the stock rail.

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

SPA End Position Checking Unit includes a lobe and two micro-switches installed in the aluminium alloy housing attached to the extended point slide rollers through the carrying set.

SPA end position checking unit

Basic Technical Parameters	
Insulation resistance between live parts and ground	min. 20 MΩ
Electric strength	4 kV, 50 Hz
Cover rating	IP 54
Working temperature range	–40 to +70 °C
Unit weight with accessories	approx. 60 kg



SPA end position checking unit mechanism