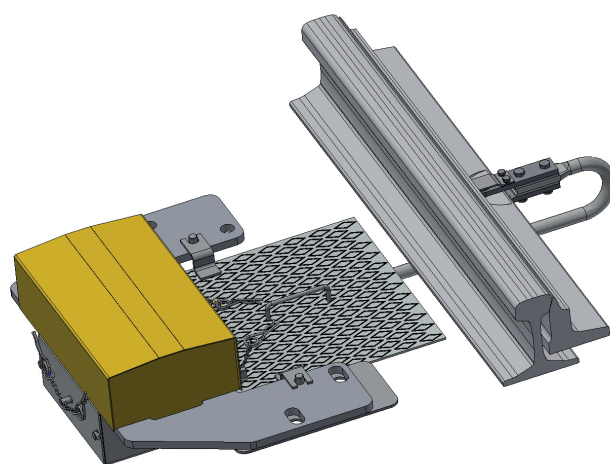




# PointSWing KPI-41

## 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 KPI-41 (further KPI-41) is a failsafe element of the railway safeguarding technology.

KPI-41 is designed for multipoint check of the closed/open point blade or movable frog end position.

KPI-41 is installed in between two sleepers on the extended point slide rollers or on sleepers.

KPI-41 can also be installed in hollow sleeper (e.g PointSWing ZP-01) - two KPI-41 units in one hollow sleeper.

### BASIC TECHNICAL DESCRIPTION

KPI-41 is electromechanical equipment checking the point blade position against the stock rail.

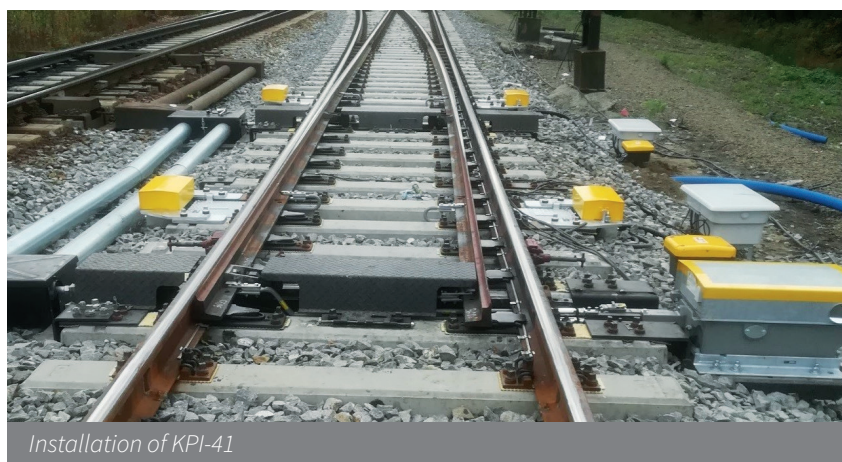
KPI-41 circuits provide two-pole circuit disconnecting and can be connected

to the checking circuit of the electro-mechanical point machine or used in a separate circuit.

Adjustable range of closed point blade position is 0–30 mm, adjustable range of opened point blade position is 40–180 mm.

KPI-41 consists of a lobe and two micro-switches installed in the aluminum alloy housing attached to

sleepers or hollow sleeper through the carrying set.



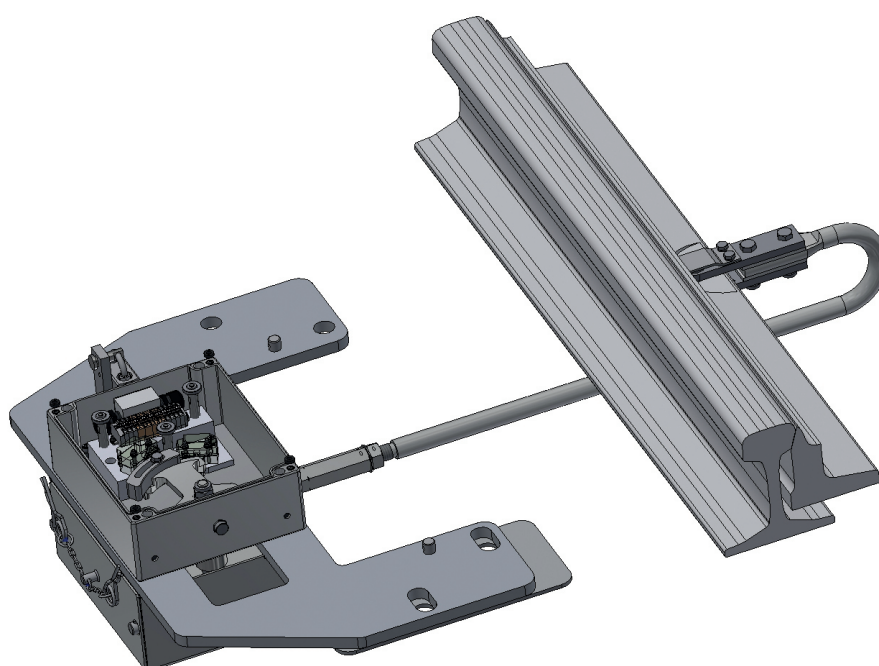
Installation of KPI-41





## BASIC TECHNICAL PARAMETERS

Load capacity of contacts of used switches	AC 230V/3A; DC 110V/1A
Temperature range	climatic category T2 according to EN 50 125-3
Humidity	to 100 %
Insulation resistance between live parts and ground	min. 20 M $\Omega$
Electric strength	4 kV, 50 Hz, 1 min.
Cover rating	IP 54, IP 65 upon request
Weight (including accessories)	cca 55 kg (37 kg for hollow sleeper)
Service life	minimum 25 years



*KPI-41 – uncovered model*

