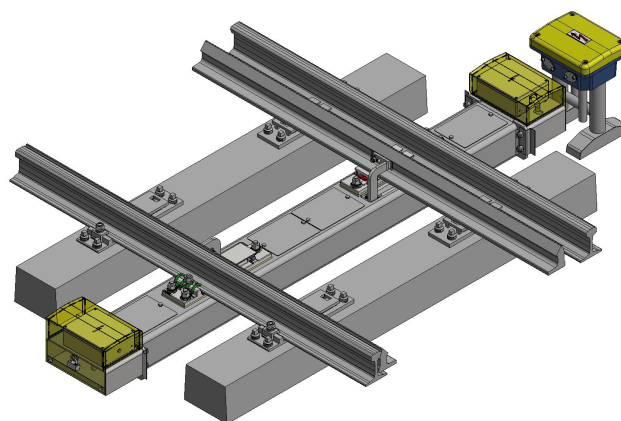




PointSWing KPI-41

End position checking unit for fixation to hollow sleeper

- Independent point/movable toe of frog position check
- Easy installation and setting
- Minimum maintenance
- Possibility to tamp points without dismantling
- One hollow sleeper allows installation of two end position checking units
- Fixation of end position checking units uses existing point blade web drilling
- 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 position and for indication of incorrect vehicle movement to point with fixed or movable frog in non-trailable system.

For installation of KPI-41, a hollow sleeper (e.g. PointSWing ZP-01) can be used, allowing the mounting of two KPI-41 units, which also replaces the standard sleeper and uses the same fixation of the hollow sleeper to the stock rail.

BASIC TECHNICAL DESCRIPTION

KPI-41 is electromechanical equipment checking the point blade position against the stock rail at safety integrity level SIL4.

KPI-41 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.

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

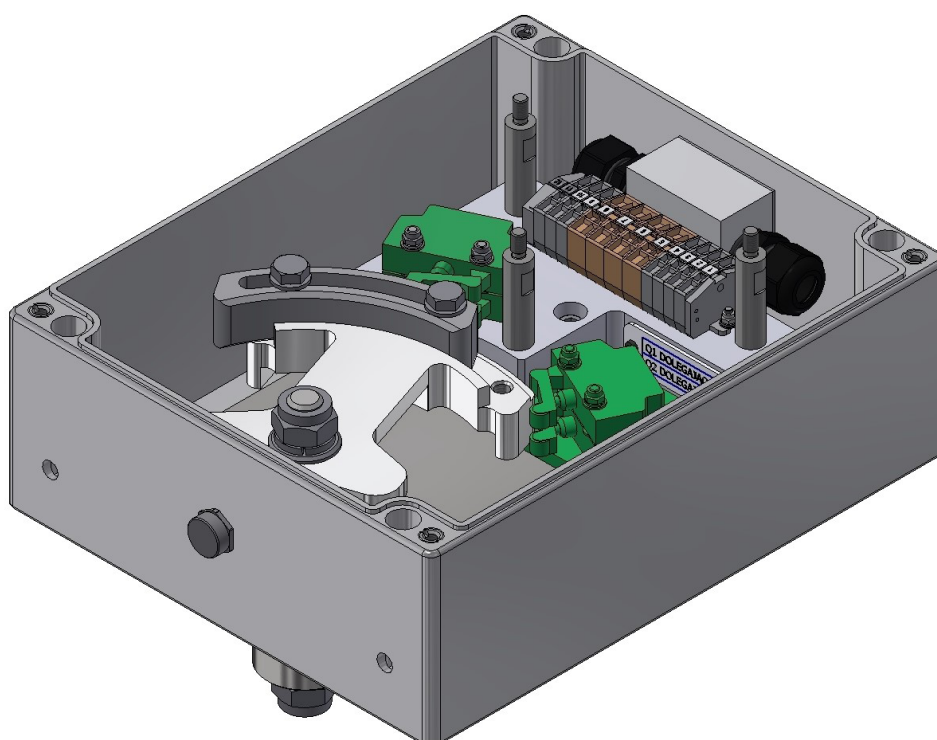
KPI-41 consists of a lobe and two pairs of micro-switches installed in the aluminum alloy housing attached to sleepers or hollow sleeper through the carrying set.





BASIC TECHNICAL PARAMETERS

Load capacity of contacts of used switches	AC 230V/3A; DC 110V/1A
Temperature range	climatic category T1 and T2 according to EN 50 125-3
Humidity	to 100 %
Insulation resistance between live parts and ground	min. 20 MΩ
Electric strength	4 kV, 50 Hz, 1 min.
Cover rating	IP 65
Weight (including accessories)	cca 55 kg (37 kg for hollow sleeper)
Service life	minimum 25 years



KPI-41- uncovered model

