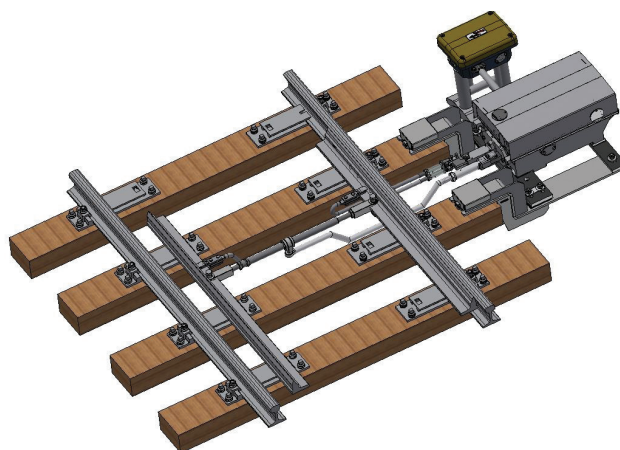




PointSWing EPV-6xx

Electromechanical point machine (EPV-6xx)

- Easy installation
- Long service life
- Point machine with internal lock
- Minimum maintenance
- High railway environment resistance



GENERAL DESCRIPTION

The electromechanical point machine PointSWing EPV-6xx (further EPV-6xx) is used for control and securing of single points, crossings, movable point frogs and derailleurs without external lock.

EPV-6xx are manufactured preferably in a non-trailable version. In case ofailable version the axial force limiter (as a part of coupling rod) is used. EPV-6xx are right or left-hand and

they are designed for mounting with a toggle or fixed set/bracket or to a hollow sleeper by means of a four-point fixation.

BASIC TECHNICAL DESCRIPTION

The point machines have an internal locking mechanism ensured by mutual fixation of gearwheel and specially designed throwing rod.

EPV-6xx consists of a housing with a lockable lid. Moving, throwing, retaining, switching and checking devices are built into the housing.

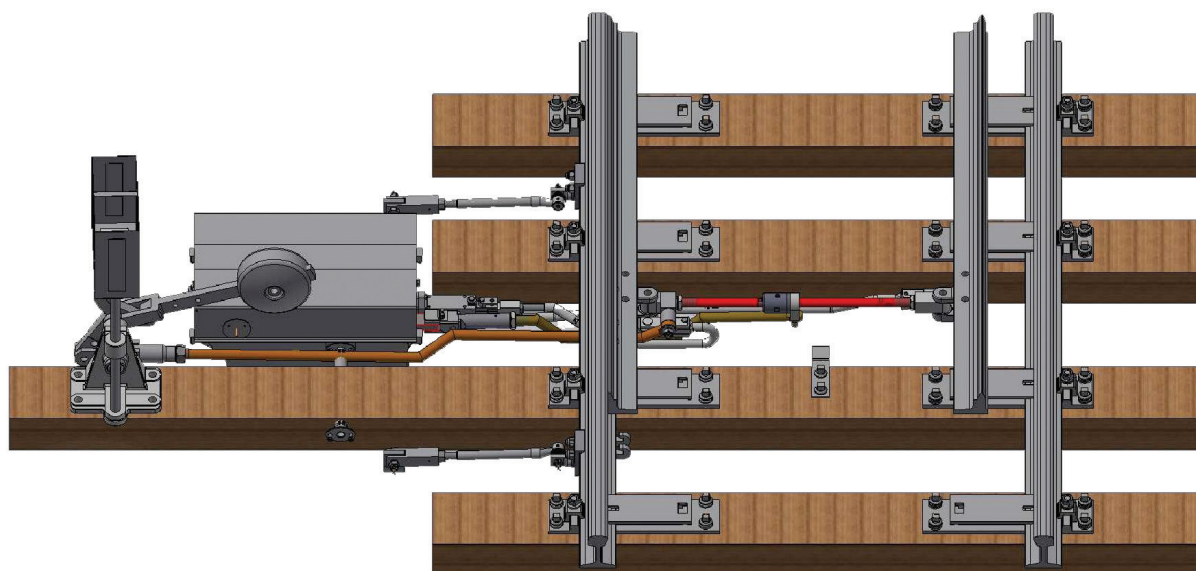
EPV-6xx are designed for points without external locks and coupled blades whose throwing resistance does not exceed 4,5 kN.





BASIC TECHNICAL PARAMETERS

Weight	approximately 190 kg	
Electric strength	4 kV	
Temperature range	-40 °C to +70 °C	
Output	AC 3 × 400 V	550 W
	AC 230 V	290 W
	DC 110 V	380 W
MTBF with load up to 3,5 kN	min. 6×10^5 throwing overs	
Mean service life	min. 2×10^6 throwing overs (25 years)	
Stroke	170^{+2} mm	
Throwing force controlled by clutch	3 kN to 6 kN $\pm 10\%$, max. 8 kN	
Retaining force (trailable point machine with axial limiter)	7 kN $\pm 15\%$	
Retaining force (non-trailable point machine)	20 kN to 75 kN (depending on type of connection to the point)	
Throwing time	2,5 s to 6 s	
Cover rating	IP 54 standard, IP 65 upon request	
Internal wiring	depending on client's specification	
Point position checking	using the checking mechanism	



EPV-6xx with axial limiter – trailable version

