



PointSWing EP-6xx

Electromechanical point machine (EP-6xx series)

- Easy installation
- Universal use
- Point machine with external lock
- Long service life
- Minimum maintenance
- High railway environment resistance
- Best selling product



GENERAL DESCRIPTION

The electromechanical point machine PointSWing EP-6xx (further EP-6xx) is used for control and securing of single points, crossings, movable point frogs and derailleurs.

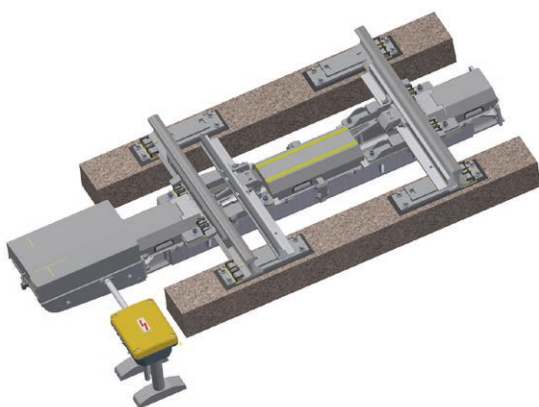
EP-6xx are manufactured in a trailable or non-trailable version, they are right or left-hand and they are designed for mounting with a toggle or fixed set/bracket or to a hollow sleeper by means of a four-point flange joint.

BASIC TECHNICAL DESCRIPTION

EP-6xx has no internal lock. EP-6xx consists of a housing with a lockable lid. Moving, throwing, retaining, switching and checking devices are built into the housing.

EP-6xx is designed for points with external locks whose throwing resistance does not exceed 4.5 kN.

For single multiple-lock points with higher throwing resistance the multiple point machine control can be used.



EP-6xx fixed to double-divided hollow sleeper





BASIC TECHNICAL PARAMETERS

Weight	approximately 180 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
Stroke	110 mm to 240 mm	
Throwing force controlled by clutch	3 kN to 6 kN ± 10 %	
Retaining force (trailable point machine)	7 kN ± 15 % or 9 kN ± 15 %	
Retaining force (non- trailable point machine)	20 kN to 75 kN (depending on type of connection to the point)	
Throwing time	0,5 s to 6 s	
Cover rating	IP 54 standard, IP 65 upon request	
MTBF	min. 3×10^5 throwing overs	
Mean service life	min. 2×10^6 throwing overs (25 years)	
Internal wiring	depending on client's specification	
Point position checking	using the checking mechanism	



Turnout controlled by two EP-6xx

