



ECOSTAR POINT MACHINE

The compact electro-hydraulic point machine

Description

The compact electro-hydraulic point machine serves to switch vignol rail turnouts independently from types or gauges with an external lock for urban and long-distance traffic. It is made up of an electro-hydraulic point operating unit, a detection module for monitoring the final positions of the tongues, which also locks the tongue detectors and connections to an external lock and the interlocking system.



System advantages

- » Compatible with various interlocking systems
- » Easy installation and handling
- » Slim-fit design → perfect for installations in tunnels
- » Minimal maintenance requirements
- » Can replace existing point machines like for like
- » Low life-cycle costs
- » Customized solutions
- » Applicable for all turnout types and movable point frogs
- » Maximum safety, reliability and availability – even in harsh environmental conditions
- » Little weight
- » A system approved according to CENELEC 50126/50129



REDEFINED PERFORMANCE

With its powerful electro-hydraulic drive, ECO-STAR is able to guarantee a smooth movement of switch rails as well as moveable point frogs. Depending on the type, the point machine can be designed as a trailable or non-trailable version. An innovative and slim-fit construction design allows installation in hollow steel sleepers, enabling fully automated tamping. Due to its independence of the interlocking system and the possibility of manual operation,

the point machine is ideally suited for retrofitting or modernizing existing switching machines in the track. The point machine ECOSTAR can be combined with a wide variety of locking systems, end position detectors and force transmission systems and, in combination with other SIGNALING components, results in a perfectly aligned setting system.

Technical characteristic

Designation	Value / Type
Weight (without connecting parts)	85 kg
Stroke	120 to 240 mm
Turnout opening	74 to 180 mm
Reversing force	infinitely variable from 3 to 9 kN
Retaining force	trailable – infinitely variable from 12 kN
	non-trailable - permanently set (> 30 kN)
Ambient temperature	-40 °C to +80°C
Degree of protection	IP54, IP67
Power supply	110V to 400V AC
	24V to 220V DC