



UNISTAR COMPACT

Electro-hydraulic Point Setting System for Freight, Urban and Mixed Traffic

Description

The electro-hydraulic UNISTAR COMPACT has drive, locking and setting mechanisms in one housing. It has already been installed in mediterranean, desert and jungle climate conditions.

With the help of the short and robust connection parts the power transmission to the points takes place. Integrated pressure heads positively close the adjoining tongue against the stock rail.

The UNISTAR HR series also includes

- » UNISTAR HR (electro-hydraulic)
- » UNISTAR EM (electro-mechanic)
- » UNISTAR NG (designed for narrow gauge, min. 900 mm)



Worldwide under various environmental and operational conditions, the UNISTAR HR series proves market leading quality and reliability.

System advantages

- » Drive and locking unit are installed in a compact enclosure
- » One drive unit controls up to three setting levels
- » For narrow gauge
- » Only one interface to interlocking system even with several setting levels
- » Visible internal locking device
- » Adaptable to all interlocking systems
- » Utmost flexible for installation incl. installation on top of concrete sleepers
- » Vorbereitet für Zustandserfassung via zentrak - Intelligente Diagnoseplattform



Technical characteristic

Designation	Value / Type
Turnout Type	Vignol
Gauge (mm)	from 1000
Throw range (mm)	60 - 220
Main dimensions (LxWxH, mm)	890x650x283
Overall mass	140 kg
Temperature range, max. humidity	-40°C to +80°C, tested for 95% rel. humidity
Safety level	SIL 4
Protection class	IP67
Fixation to track	Sleeper fixation angles next to the track
Housing Material	Aluminium
Locking system	internal prism lock, trailable and non-trailable
Max. number of possible locking and setting units	3
Throw time	2 - 5 sec
Throw force	up to 15 kN
Holding Force	90 kN
Power supply	24 V - 750 V AC / DC
Trailing speed	40 km/h