



# UNISTAR NG

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

### Description

Due to its very compact design the Drive, Locking and Setting unit can be installed between the gauges from 900 mm and is also available in an electro-hydraulic version.

The UNISTAR HR series also include

- » UNISTAR HR (electro-hydraulic)
- » UNISTAR EM (electro-mechanic)
- » UNISTAR COMPACT (Drive, Locking and Setting in one housing)

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



### System advantages

- » Durable watertight and dust tight box, according to IP67
- » No space outside the track required
- » No interference with walkways
- » Extremely low profile – 175 mm constructional height only
- » Safe and reliable, designed according to SIL4
- » Locking parts visible, made of special steel
- » Easy access to end position contacts
- » Easily installed
- » Low maintenance, low wear and tear, low noise emission
- » Compensation of thermal expansion of tongues
- » Electronic detection, therefore no coupling necessary
- » Prepared for zentrak – Intelligent Diagnostic Platform



### Technical characteristic

Designation	Value / Type
Turnout Type	Vignol and Grooved Rail
Gauge (mm)	from 900
Throw range (mm)	35 - 160
Main dimensions (LxWxH, mm)	574x450x175
Overall mass (depending on protection class)	approx. 92 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	Earth Box, Sleeper Fixation Angles, Stock Rail Fixation
Housing Material	Aluminium
Locking system	internal prism lock, non-trailable
Throw time	2-5 sec
Throw force	up to 15 kN, adjustable
Holding Force	90 kN
Power supply	24 - 750 V AC and DC