

Product group Point Machines

Point Machines

VRS Railway Industry's point machines are performance reliable, safe and virtually require no maintenance. There is a reason why worldwide Rail-Infra administrators choose the VRS Railway Industry's point machines.

The NSE 2 point machine

The NSE 2 is based on years of experience, consistent development and proven technology. With that, the NSE 2's reliability is the standard in the industry.

Robust

The NSE 2 is designed for the worst possible operating conditions imaginable. Robustness is our starting point. Simultaneously, the switch system is protected by sophisticated engineering. Examples are: The wear-resistant brake band which limits the maximum switch power and operates exceptionally well even after 1,000,000 strokes. The patented click spring makes trailing possible and simultaneously fixates the switch blades.

Durability

By solely making use of robust construction parts the lifespan of the point machines actuators is extensive. During this lifespan there are only a few components which have to be replaced pre-emptively. Even after trailing the switch, the point machines can be operated again after inspection.

Integrated

Due to the integrated design, you will save on purchase and installation costs with the NSE 2. The point machine has the following functions:

- Switching;
- Controlling the switch blades;
- Fixating;
- Running through the switch;
- Limiting the switch force.



Safety

Due to the 3 fold safety in the point machines design, it has never failed in an unsafe way. Additionally, work can be carried out with the use of terminals in accordance with NEN 1010. Each point machine is supplied with a comprehensive manual. Extensive training programs are available.

Complete supplies

VRS Railway Industry also supplies the switch junction box and the pull rods. The pull rod connects the switch blade to the NSE 2 point machine. There are very different configurations available so that for each switch a appropriate set of pull rods can be provided. The rod sets are maintenance free due to the application of quality rod eyes.

VRS
Railway Industry bv

The pull rod can be adjusted on location exactly to fit the switch in question. Additionally, you can come to us for the overhaul, maintenance and spare parts of point machines.

Contact information:

VRS Railway Industry bv
Vleugelboot 32A
3991 CL Houten
T: +31 (0)30 694 39 54
F: +31 (0)30 694 35 52
E: info@vrsrail.nl
I: <http://www.vrsrail.nl>



Electronic specifications:

Supply voltage	:110 VDC / 230 VAC / 400 VAC
Slip current	:<7 A
Insulation (in a new state)	:50 M Ohm (500 V DC; 10 min.)
EMC proof	:yes
Protection classification	:IP54

Interface	:4-wire / 7-wire
-----------	------------------

Mechanical specifications:

Stroke *)	:76 mm - 163 mm
Normal load *)	:3000N - 5000N
Maximum load *)	:3000N - 8500N limited by friction unit
Trailing force (click force) *)	:4000N - 8000N
Stroke duration under normal load	: < 3 sec.
Blocking force	:>>10,000N
Manual operation with crank	:yes
Lifespan	:approx. 1,000,000 (single strokes)
Trailing**)	:yes

*): These values are adjustable to your specifications

**) : The NSE2 is also available in non-trailable versions

Mounting

Mounting	: Hollow- / concrete- / wooden- sleeper
----------	---