"PAULVÉ" switch position detector

"The most reliable detection, is always the closest to the switch rail"
Expert in high speed turnout equipment, Vossloh offers a unique product for detection of switch point position. Based on unequalled know-how and over thirty years of experience on site, the switch rail application and opening detector benefits from tremendous feedback from France and export markets.

Recommended by the most demanding networks, the “PAULVÉ” switch position detector meets the NF F 52-151 and NF F 52-161 safety standards. It is used in high speed applications and non-locked switches. By its direct mounting on the stock rail and the switch rail, it is the only one allowing accurate and reliable detection.

Designed to meet the highest standards, this detector offers performance and robustness in the toughest conditions. Its design allows quick installation anywhere on the turnout (switch toe or heel). Maintenance is easy, making this detector a very durable product.

'More than 30 years of trust, more than 100 000 "PAULVÉ" detectors in track, a lasting relationship...'

Description
The “PAULVÉ” detector is made up of various components:

- An outside protective cover with padlock option
- A crank
- An adjustment block
- A driving rod
- A contact housing with connecting terminal block
- A sealing cover
- A detection cam
- Damped contact rockers

Technical characteristics
- Ingress protection rating: IP66
- Weight: 12 Kg
- 2 Opening contacts
- 2 Application contacts
- Adjustable detection values (1 mm accuracy)
- Almost insensible to switch expansion
- Anti-vandalism protection: optional
- MTBF: over 30 years

Operation
Due to its over-the-tie installation, the “PAULVÉ” detector enables mechanical tamping operations between bearers. The more pairs on the track, the higher the safety level.

Delivered with precabled connections, it stands up to the worst weather conditions (IP66). It is also well protected from projectiles by its stainless steel cover.

Its implementation flexibility remains unequalled - it can be fixed on all types of rail profiles and is currently integrated in almost all signalling principles around the world.

Its damped contact system gives the detector electrical stability, even in the highest vibration fields. This contact quality twinned with a double cut-off capacity gives even greater safety.

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