



EPD 4.0 END POSITION DETECTOR

An external end position detector to monitor the position of the two switch blades

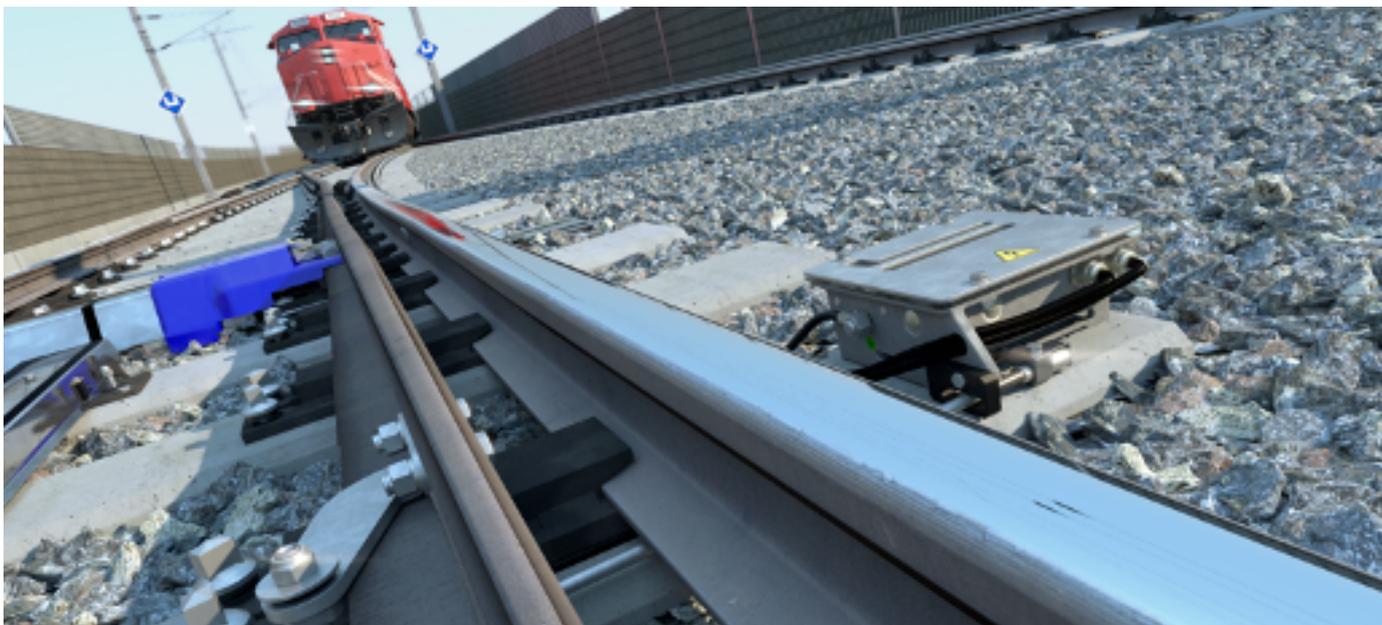
Description

The end position detector 4.0 (4th generation end position detector) is an end position detector mounted next to the track on existing railway sleepers. In addition to monitoring the central position, the EPD 4.0 also monitors the position of the closed AND the open switch blade and is thus suitable for all track widths and vignol rail designs.



System advantages

- » Applicable for all gauges and vignol rail profiles
- » Protection class up to IP67
- » Machine tamping possible
- » Easy inspection and maintenance
- » Compatible with various interlocking systems and many different point machines
- » Low life cycle costs
- » Applicable for all turnout types
- » No need for any active power supply
- » Customized solutions for refitting
- » Like for like replacement of conventional end position detectors
- » Designed and approved according to CENELEC / EN 50125-3 / 60068



TRENDSETTING CONCEPT

During the development of the end position detector EPD 4.0, particular attention was paid to cost-effectiveness in terms of investment and life cycle costs. Due to an innovative design, the main unit weighs only about 8 kg and has a maximum gap between the rail and the end position detector. The detector is completely encapsulated and thus protected as far as possible against environmental

influences. The end position tester EPD 4.0 can be used with any standard setting system in the area of mixed traffic as well as for freight traffic and metro lines. Due to an extensive preassembling at the manufacturer's factory the installation and the integration into the electrical system of the turnout can be carried out in a few simple steps.

Technical characteristic

| Designation | Value / Type |
|-------------------------------------|--------------------|
| Switch openings | 30 to 175 mm |
| Suitable for longitudinal movements | max. \pm 40 mm |
| Number of monitoring levels | max. 10 |
| Applicable for all gauges | 960 to 1678 mm |
| Ambient temperature | -40 °C to +75°C |
| Weight of the main unit | 8 kg |
| Main dimensions | 280 x 274 x 125 mm |