



# **SLIDEC**

## SLIDE DETECTION SYSTEM



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### System description

The aim of **SLIDEC** detection system is to monitor the locomotive slide and display information on the slide on the engineer's control desk as well as to turn on automatic sanding in order to eliminate the slide.

The slide is identified both during start-up, acceleration and braking.

The system may be additionally equipped with event registration card, which records the time of slide, its duration as well as the axes where the slide occurred, and with a sanding control card, which enables an automatic control of the sanding process until the slide has been removed.

### System features

- Installation of sensors in axle-boxes
- Measurement of speed and acceleration independent for each axle
- Sanding signalling by red light in the sanding switch
- Event registration card (optional) - recording the time of slide duration of slide, identification of the axle where a slide occurred to automatically remove the slide automatic after a slide is detected
- Sanding control card to automatically remove the slide
- Sanding on slide detect
- Sanding cycle - 3[s] sanding cycles 1[s] of break until the slide is removed

# SLIDEC

## SLIDE DETECTION SYSTEM

- Selection of sander is automatic depending on the direction of travelling
- System autodiagnosics
- System damage signalling
- Power supply 110VDC
- Compliance with standards: EN-PN 50155

### System main unit

