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Signals.

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PINLUXON 550 (LED-ZA) LED Additional Indicator

2-100002799-54EN | Rev: 00 | 16.08.2022

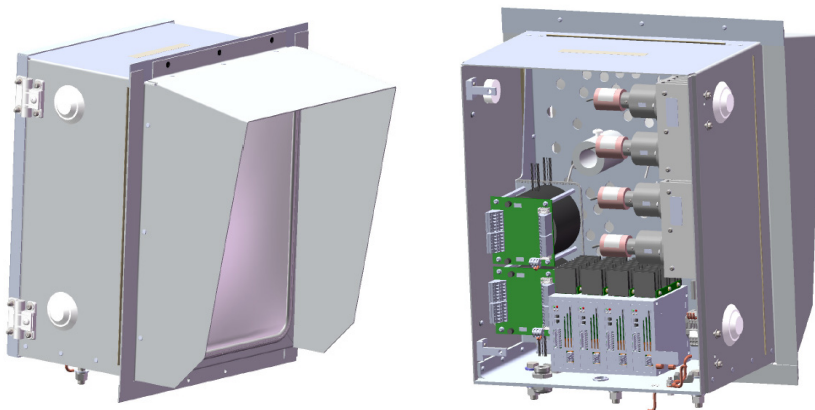
PINLUXON 550 (LED-ZA)

Field of operation:

The LED-ZA is a stationary light signal indicator for railway operation in the area of Railway Construction and Operation Regulations (EBO) as well as Railway Signal Regulations (ESO). Additional signals (Zs), in the form of the speed indicator signal, supplement the signalling terms for main signals with special, safety-relevant, additional information. They are used for changing train speeds, changing train directions, track changes or for special operational functions.

Function:

Starting from a central LED light source, individual light spots / scattering optics are brought to light via a fibre optic cable bundle (consisting of a multitude of optical fibres). The light spots form the relevant signal term on the front of the LED-ZA speed indicator signal and can be assigned to station or lineside signals. Control is always ensured by the interlocking system.



Version:

The LED-ZA is, among others, available in the versions Zs 3 (main signal / colour white), Zs 3v (advance signal / colour yellow) or Zp 9 (departure signal / colour green). Terms can be selected flexibly on request.

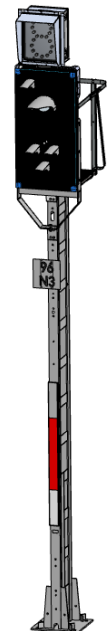
Technical data:

- Dimensions: H 512 mm X W 404 mm X D 495 mm
- Weight: 15 kg to 25 kg, depending on version
- Ambient temperature: -40 °C - +70°C
- Protection class: IP 54
- Light colour: according to DIN 6163
- Nominal voltage: 230V(AC) for day mode / 154V (AC) for night mode
- Lighting technology: The LED-ZA fulfils the lighting requirements with regard to colour, readability, luminous and recognition range for all signal terms/aspects in accordance with DB Netz AG, RIL 301 – Signal Book.



Application:

e.g. Zs 3 at the main signal



Features:

- CENELEC EN5012X
- SIL 4
- Day and night mode
- Safe switch-off
- Restart interlock
- Very good visibility and readability
- High availability due to LED technology
- EBA-GluV / DB approval