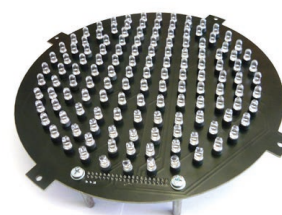




# GateSwing PVL-1xx

LED warning lamp (PVL-1xx series)

- Safety integrity level SIL4 according to CENELEC
- High luminous intensity
- Long distance visibility
- Plastic/metal version
- High mechanical and climatic resistance
- Low weight and easy handling
- Easy installation



## GENERAL DESCRIPTION

LED warning lamp GateSwing PVL-1xx (further PVL-1xx) is a part of GateSwing AZD-97 level crossing warning board modular system.

PVL-1xx provides the road traffic users with the warning or the alert state by means of flashing red light.

By a positive signalling of white flashing light PVL-1xx informs road users that there is no danger from a train approaching the level crossing.

## BASIC TECHNICAL DESCRIPTION

The design of LEDs into three sections ensures sufficient uniform luminance and defined optical parameters of the PVL-1xx even in the case of failure of any single section. Each section has independent power supply including DC/DC converter and current stabilizer.

PVL-1xx consists of two interconnected PCBs:

- motherboard with LED matrix and power supply electronic components
- auxiliary board with input connectors, input EMC filters and circuit breakers

Supervision of PVL-1xx function is electronic and status information is transmitted through data network.

PVL-1xx can be installed into GateSwing AZD-97 warning board housing or other housing compliant with relevant legislation.





## BASIC TECHNICAL PARAMETERS

Supply voltage	9-24 V DC
Electric strength	4 kV, 50 Hz
Temperature range	-40 °C to +70 °C
Cover rating	IP 54
Mean time between failures (MTBF)	361 010 hours
Service life	20 years

