



GateSWing PZZ-GTS

Level crossing

- Automatic activation by an approaching train
- Failsafe and reliable system meeting SIL4 requirements according to CENELEC
- Architecture 2oo3
- GateSWing PVL-1xx LED warning lamps and GateSWing PZA-100 barrier drive
- High reliability and availability
- Remote control from station
- Failsafe contact/data interface to other signalling
- Local and remote diagnostics can be centralized to DiagSWing LDS-3



GENERAL DESCRIPTION

GateSWing PZZ-GTS (further PZZ-GTS) is microprocessor based level crossing system designed to protect level crossings of roads with a railway line.

PZZ-GTS architecture is designed as centralized control system with remote peripherals, e.g. GateSWing PVL-1xx warning lamps and GateSWing PZA-100 barrier drive.

BASIC TECHNICAL DESCRIPTION

PZZ-GTS control system is structural unit consisting of PZZ-GTS rack located in level crossing shed, shelter, cabinet or interlocking room. PZZ-GTS rack contains PZZ-GTS control core panel with generic SW application and implemented functional algorithms, backup power supply technology and local diagnostics.

Object controllers - GateSWing PVL-1xx LED warning lamps and GateSWing PZA-100 barrier drives are connected to PZZ-GTS rack.

Compatibility with ERTMS/ETCS system is provided by interface between PZZ-GTS control core and interlocking system or RBC.





BASIC TECHNICAL PARAMETERS

Supply voltage	230V +10 %, -15 %, 50 Hz	
Temperature range	climatic category T1 according to EN 50 125-3	
Max. number of warning boards	12 pcs.	
Max. number of barrier drives	8 pcs.	
PZZ-GTS rack	Max. input	250 W
GateSwing PVL-1xx warning lamps	Max. input default/warning	12 W/30 W
GateSwing PZA-100 barrier drive	Max. input	150 W
EMC compliance	EN 50121-4, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-6-4	
Service life	minimum 25 years	

