



# GateSwing GTA-100

## Level crossing

- Automatic activation by an approaching train
- Failsafe and reliable system meeting SIL4 requirements according to CENELEC
- Failsafe remote control
- Failsafe contact / data interfaces to station interlocking system
- High reliability and availability
- Local and remote diagnostics can be centralized to DiagSwing LDS-3



### GENERAL DESCRIPTION

GateSwing GTA-100 (further GTA-100) is an automatic level crossing device that secures the traffic through the level crossings for both railway and road vehicles, providing maximum throughput for both types of transport.

GTA-100 supports failsafe transmission of indications and commands to higher level device, i.e. station interlocking.

GTA-100 supports different way activation, including wheel detector, axle counters, track circuit, local control or higher level signalling device, with wide range of data and contact interfaces.

GTA-100 can be used on following lines:

- Single, double track

- With activation by wheel detectors or with axle counters
- With or without barrage signals
- With or without line signalling

GTA-100 can be used in stations:

- controlled by station interlocking without using respective activation/deactivation elements
- controlled by station interlocking with the use of activation/deactivation elements

### BASIC TECHNICAL DESCRIPTION

The safety concept of GTA-100 is based on a state of the art APEX controller working in 2oo2 architecture. The controller has scalable module architecture easily adaptable to different level crossing configurations and requirements of different railway administrations.

GTA-100 has battery backed-up power supply with modular capacity aimed to satisfy the needs of actual application.

GTA-100 has extensive local diagnostic capabilities, which can be further transferred to centralized diagnostics server (e.g. DiagSwing LDS-3).

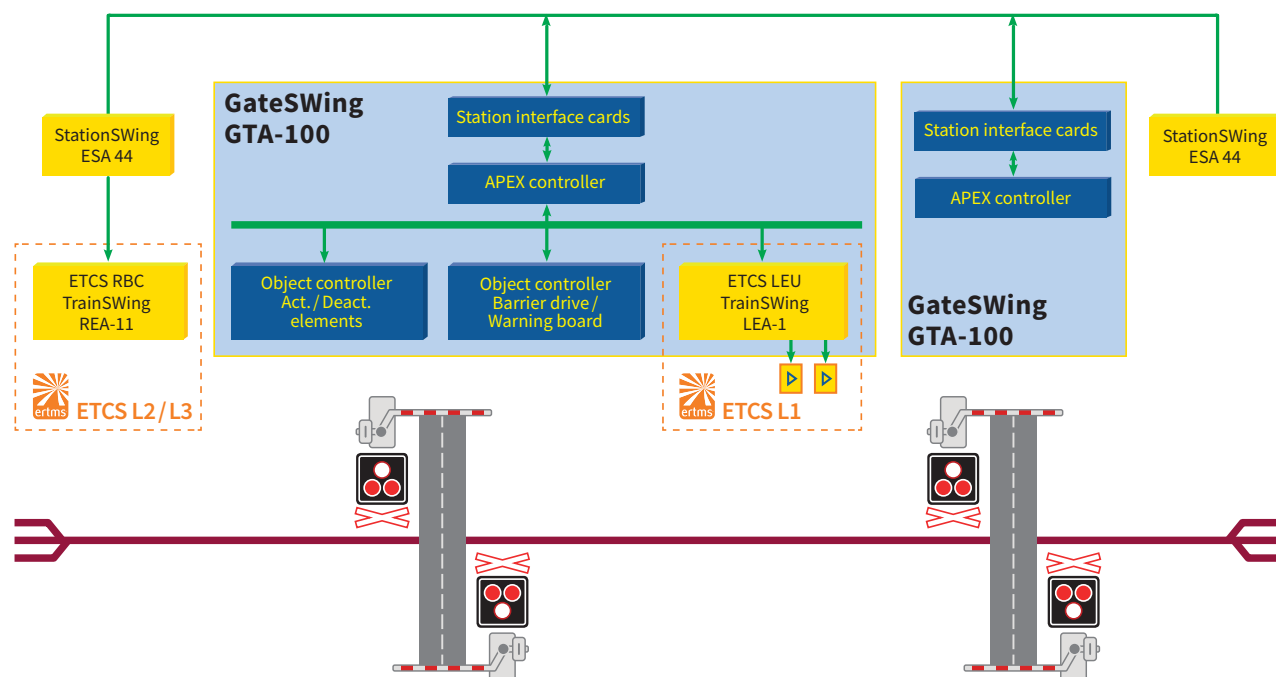
GTA-100 can be also provided in design for adverse climatic condition.





## BASIC TECHNICAL PARAMETERS

Supply voltage	AC 230V ± 10 %, 50 Hz	
Temperature range	-30 °C to +70 °C	
Maximum input (at battery charging)	according to battery capacity	
Internal power supply	10V to 33V DC	
Operating power (without wayside elements and charger)	150W typical	
Maximum number of connected components	Warning boards	10
	Train (barrage) signals	10
	Barrier drives	10
	Tracks (at open line/at station)	2/10
Service life	minimum 25 years	



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The information provided in this document contains a general description and characteristics of the device/product, which may change during its own development based on specific customer requirements. The required specific parameters of the product are binding only on the basis of a concluded contract.