



GateSwing PZA-100

Barrier drive

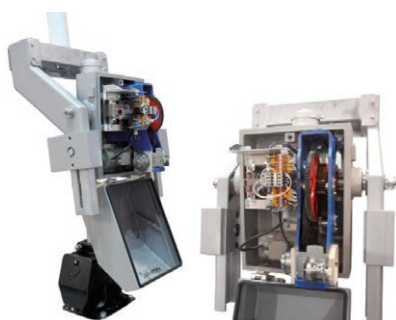
- Outstanding electric strength
- Option for mounting one or two warning boards and signalling for blind
- Barrier beam with the integrity check
- High reliability and minimum maintenance
- Option of additional beam reinforcement
- Option of additional warning lights integrated in barrier beam



GENERAL DESCRIPTION

Barrier drive GateSwing PZA-100 (further PZA-100), by closing the barrier beam, blocks the road area by giving the mechanical warning to road users.

PZA-100 can be used also as a separate element for blocking the road.



BASIC TECHNICAL DESCRIPTION

PZA-100 consists of:

- barrier mast with drive
- barrier beam with bracket
- wings with counterweight and safety lock against theft

Barrier drive is electromechanical, electronically controlled safeguarding equipment located in the cabinet fixed to the barrier mast. It consists of control, operating, driving and checking mechanism.

The bracket serves for fixation of barrier beam to wings with counterweight. The bracket is fitted with a terminal blocks for interconnection of beam integrity checking circuits, circuits of warning lights integrated in barrier beam and input cable.

In the basic state the barrier beam is held in a vertical position by the electromagnetic brake. Lowering to the horizontal position is gravitational. Lowering speed is reduced using the dynamic braking of the electromotor. The beam is equipped with a breaking element and its integrity is checked by electric circuit. The beam profile can be broken. The beam length is selected according to the required width of secured area. The beam material is optional: aluminum/ composite fiberglass/wood.

To lower or lift the barrier beam the wings with counterweight transmit the rotational motion of the shaft.





BASIC TECHNICAL PARAMETERS

Supply voltage	21,3 V – 30 V DC	
Rated current	17,6 A	
Starting current	max. 40 A	
Starting moment	min. 9,4 Nm	
Input	140 W	
Electric strength	4 kV, 50 Hz	
Cover rating	IP 54	
Beam length	4,25 m to 9 m	
Beam lifting time	5–8 s	
Temperature range	–40 °C to +70 °C	
Service life	25 years	
Weight of individual parts	Barrier mast with drive	max. 280 kg
	Barrier beam with bracket	max. 46 kg
	Wings with counterweight	max. 290 kg

