

Life  
made  
easy



## **FORT 3500**

AUTOMATION

FOR SLIDING GATES

230 VAC AND 380 VAC

# FORT 3500

## Technical features



### CONTROL BOARDS

#### CU INDUSTRY 230V

QUAD 230V INVERTER FORT 2500/3500

##### MAIN FEATURES

- **Speed:** thanks to the integrated inverter it is possible to adjust the nominal and slow-down speeds while maintaining high levels of force and smooth movement.
- **Acceleration:** The control unit allows to manage and adjust the acceleration and deceleration ramps
- **Security:** The control unit is able to manage, through dedicated inputs, N.C. or 8K2 sensitive edges and photocells.
- **Diagnostics:** The control unit is able to perform real-time diagnostics using dedicated LEDs and display anomalies.
- **Commands:** The control unit manages the commands: "only opening", "only closing", "step-by-step" and "Pedestrian".
- **Sensitivity:** The control unit allows to adjust the sensitivity for obstacle detection.

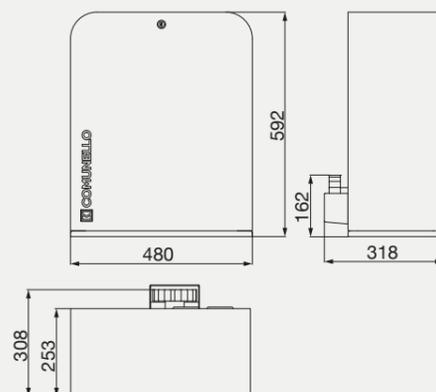
#### CU INDUSTRY 380V

QUAD 380V FORT 2500/3500

##### MAIN FEATURES

- **Sensitivity:** The control unit allows to adjust the sensitivity for obstacle detection.
- **Commands:** The control unit manages the commands: "only opening", "only closing", "step-by-step" and "Pedestrian".
- **Diagnostics:** The control unit is able to perform real-time diagnostics using dedicated LEDs.
- **Security:** The control unit is able to manage, through dedicated inputs, NC/8K2 sensitive edges and photocells.
- **Simple:** The main functions can be easily activated using 10 dip-switches.

#### DIMENSIONS (mm)



Fast, Safe, Reliable, Simple  
Obstacle sensitive, Speed  
reduction management

On-board control unit, also available with inverter

Integrated receiver: up to 500 codes (rolling code or fixed code) can be memorized

Gasket along the entire front opening for greater protection



Gearmotor with integrated ventilation, available in 230 VAC  $\approx$  and 380 VAC versions

The gearmotor fully lubricated in an oil bath ensures high performance even at extreme temperatures (-20 °C / + 50 °C)

Heat-dissipation vents

Robust steel frame with protective treatment



Reliable electromechanical limit switch with IP67 protection degree

Strong shaft with pinion module M6 (M4 for Fort 3500-S)



Every single product is duly tested at the end of each assembly line

\* Actuator dedicated to the Ranger telescopic sliding system



#### TECHNICAL CHARACTERISTICS

	FORT 3500 380V STD FE	FORT 3500 230V INV FE	FORT 3500-S 230V INV FE *
Power supply	380V 50 Hz	230V 50 Hz	230V 50 Hz
Operating power supply	380V	230V $\approx$	230V $\approx$
Power consumption	0,75 KW	0,75 KW	0,75 KW
Max. absorption	1,9 A	3,29 A	3,29 A
Max. thrust	3000 N	3000 N	3000 N
Duty cycle	Intensive use	Intensive use	Intensive use
Protection degree (IP)	IP44	IP44	IP44
Insulation class	1 (earthing)	1 (earthing)	1 (earthing)
Working temperature	-20° /+50°	-20° /+50°	-20° /+50°
Max. gate weight	3500 Kg	3500 Kg	3500 Kg
Rack module	M6	M6	M4
Speed	0,17 m/s	Up to 0,38 m/s	Up to 0,19 m/s
Gear ratio	1:50	1:50	1:100
Weight	46 Kg	48 Kg	48 Kg
Control board	CU INDUSTRY 380V	CU INDUSTRY 230V	CU INDUSTRY 230V



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