



## SUPER FROG

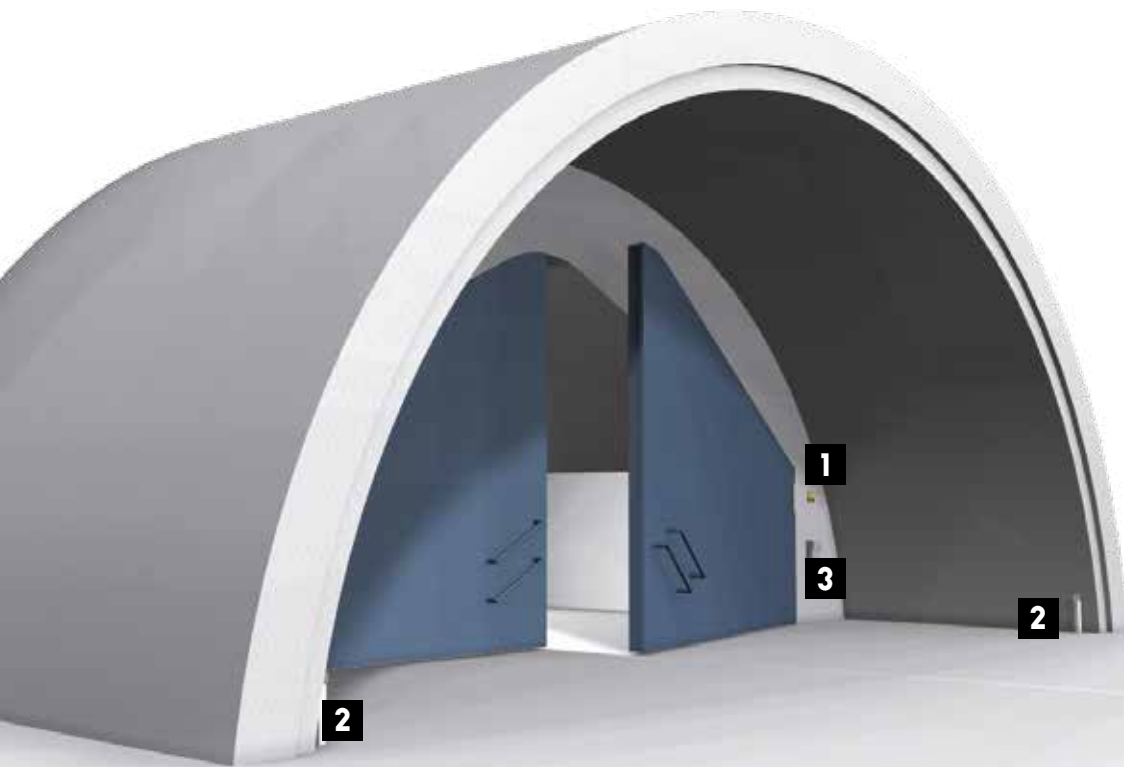
# GROUND- CONCEALED OPERATOR FOR FITTING ON LARGE GATES.

Gates with leaf  
up to 8 m in length

**CAME** 

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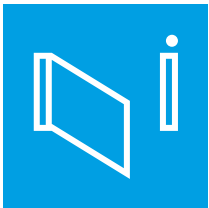
**1**  
Low consumption  
LED flashing light

**2**  
Outside  
photocell

**3**  
Control  
panel

#### FOR FITTING ON SPECIAL OR LARGE GATES.

SUPER FROG is a ground-concealed operator for large swing gates measuring up to 8 m (26 ft) in length and weighing 1500 kg (3,300 lb) each leaf. This operator has no equal in terms of power and performance, it can also operate large leaf doors like those of the hangars, or special doors installed in large industries and in the areas of freight stations.



# THE BENEFITS OF CAME SUPER FROG

- Three-phase voltage power supply to ensure greater thrust.
- High protection rating against weathering agents (IP67).
- Built-in opening and closing limit-switches for quick and simple adjustment of the gate-leaves stop position.
- Gearmotor in oil bath.
- For operating uncommonly large gates.
- CAME Connect ready control panel.



## IT WITHSTANDS ANYTHING!

The materials chosen and the high protection rating against atmospheric agents IP67, mean that SUPER FROG can last over time without the need for frequent periodic maintenance. The foundation box is made of thick steel with anti-oxidation treatment.

### THE REASONS FOR CHOOSING SUPER FROG

- Self-learning opening and closing limit-switches.
- New generation electronics that guarantees all the advanced features for automation control and for the user's safety.

### 230/380 V AC ELECTRONICS

- Safety is ensured even when the gate is idle: every command is cancelled if the safety devices detect any obstruction.
- You can stop the gate's movement directly from the radio transmitter, so you have total control in the palm of your hand.

## SUPER FROG TECHNOLOGY



#### CAME CONNECT

This product can be remotely controlled via CAME Connect cloud technology.



#### 230 - 400 V AC TRIFASE

230-400 V AC TRI-PHASE guarantee greater gearmotor starting thrust.

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AUTOMATIC DOORS BRUSHLESS



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CAME is a leading home-automation, industrial and special plant-technology projects manufacturing company. We provide full range of solutions: gate and garage door operators, shutter and awning winding-motors, home-automation control, burglar-proof systems, and video entry systems. Technology and reliability to serve your business with solutions designed for automating industrial doors, automatic doors, street barriers, turnstiles, access control and parking facility systems.

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# CAME AUTOMATED OPERATORS AND ACCESS CONTROL

SLIDING GATE OPERATORS



SWING-GATE OPERATOR



AUTOMATED OPERATORS FOR SECTIONAL AND GARAGE DOORS



AUTOMATIC STREET BARRIERS



OPERATORS FOR INDUSTRIAL ENTRANCES



AUTOMATED OPERATORS FOR ROLLER SHUTTERS



AUTOMATIC TURNSTILES AND ACCESS CONTROL



AUTOMATIC PARKING SYSTEMS



ACCESSORIES



COMPLETE SYSTEMS



## CUSTOMIZED ELECTRONICS FOR YOUR NEEDS!

SUPER FROG is available in the 230 V AC and 400 V AC versions.

The table shows the main control panel characteristics matched to the gearmotors.

### CONTROL BOARD / CONTROL PANEL

	ZM3ES
<b>SAFETY FEATURES</b>	
SELF-DIAGNOSING safety devices	■
PRE-FLASHING when opening and closing	■
REOPEN while closing	■
RECLOSE while opening	■
Obstruction WAIT	■
TOTAL STOP	■
PARTIAL STOP	■
OBSTRUCTION DETECTED in front of photocells	■
<b>CONTROL FUNCTIONS</b>	
PEDESTRIAN OPENING one gate leaf	■
PARTIAL OPENING one gate leaf	■
OPENING ONLY from transmitter and/or button	■
OPENING ONLY or CLOSING ONLY button connection	■
OPENING STOP-CLOSING STOP from transmitter and/or from button	■
OPENING-CLOSING INVERSION from transmitter and/or from button	■
MAINTAINED ACTION from button	■
1ST GATE LEAF OPENING DELAY	■
2nd GATE LEAF OPENING DELAY	■
<b>CHARACTERISTICS</b>	
FLASHING LIGHT connection	■
CYCLE LAMP connection	■
COURTESY LAMP connection	■
Antenna connection	■
GATE OPENING FLASHING LIGHT connection	■
Contact output for 2nd RADIO CHANNEL	■
WORKING TIME adjustment	■
transmitter RADIO CODE SELF-LEARNING	■
ELECTRIC LOCK and/or ANTI RAMMING connection	■
Adjustable AUTOMATIC RECLOSING TIME	■
DISPLAY	■
CAME Connect	■
CRP control	■

■ 230 – 400 V AC THREE PHASE

## THE RANGE

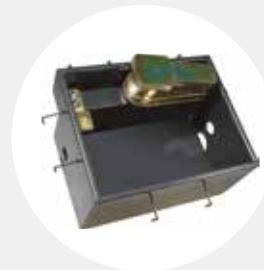


001FROG-MD  
Gearmotor right

001FROG-MS  
Left gearmotor



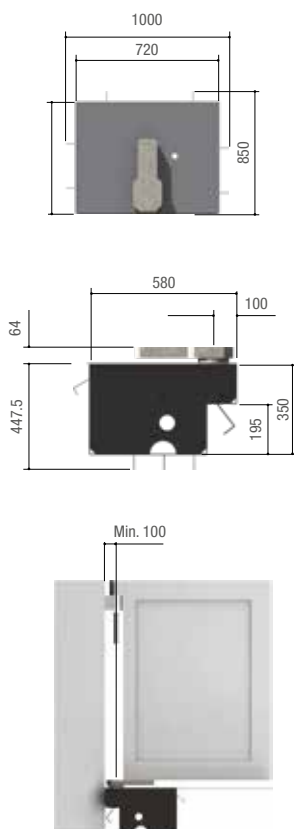
002ZM3ES  
Multifunction  
control-panel



001FROG-CD  
Right foundation box

001FROG-MS  
Left foundation box

## DIMENSIONS (MM)



## OPERATING LIMITS



MODEL	FROG-MD + FROG-MS					
Max. leaf width (m)	8	7	6	5	4	<4
Max leaf weight (kg)	600	700	800	1000	1200	1500
Max. leaf opening (°)	95	95	95	95	95	95

## TECHNICAL FEATURES

MODELS	FROG-MD	FROG-MS
Protection rating (IP)	67	67
Power supply (V - 50/60 Hz)	230-400 V AC TRIPHASE	230-400 V AC TRIPHASE
Motor power supply (V)	230-400 V AC TRIPHASE	230-400 V AC TRIPHASE
Current draw (A)	2.5 Max.	2.5 Max.
Power (W)	600	600
Maneuvering time at 90° (s)	45	45
Intermittence/Duty-cycle (%)	50	50
Torque (Nm)	1000	1000
Operating temperature (°C)	-20 to +55	-20 to +55

■ 230 – 400 V AC THREE PHASE

## TECHNOLOGY SUPER FROG

PRODUCT		
FROG-MD	■	■
FROG-MS	■	■
ZM3ES	■	■

The table above shows **only** the products associated with the **CAME technologies**. The complete range of products is available in the General Catalog.

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# CAME

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- BOLLARDS AND PERIMETER SECURITY
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