

# Comfort 870

## Operator system for sliding gates

3.05



**EOS** EASY OPERATING SYSTEM

### Comfort 870

Article	Article no.	Price each
Motor unit Comfort 870	81 221	

#### Package

- Motor unit Comfort 870 with multibit remote control 868 MHz with integrated control unit Control x.81
- Mounting plate and pre-assembled drive cog, Modul 4
- Digital 304 Mini hand transmitter, 4-channel
- Mounting material

#### Electrical details

Nominal voltage	230 V
Nominal frequency	50/60 Hz
Power consumption	1 A
Power input in operation	0,2 KW
Power input stand-by	< 4 W
Operation mode (duty cycle)	KB 5 min.
Control voltage	24 V DC
Protection category	(motor unit) IP 44
Protection class	II

#### Mechanical details

Push and pull force	400 N
Door travel speed	to 180 mm/sec.
Opening time (gate-specific)	approx. 16 – 25 sec.

#### General details

Measurements	(motor unit) 255 x 318 x 185 mm
Weight (total)	9,0 kg
Range of temperature	-20°C to +60°C

#### Function

- Economy mode
- Reference point technique
- Soft start/soft stop
- Blocking protection
- Excess travel stop
- Release
- Connection pushbuttons, code keypads and key switches
- Connection photocell 'Open' and 'Close'
- Connection signal light 24 V DC
- Connection closing edge safety device 8,2 kΩ 'Open' and 'Close'
- Integrated evaluation 8,2 kΩ
- Back-up compatible in connection with back-up 400/700 (external), 450 (integrated) from serial no. 5000059844
- Connection battery back-up
- Automatic cut-out 'Open' and 'Close' separately programmable
- Partial opening programmable
- Gate travel speed programmable
- Soft run position 'Open' and 'Close' separately programmable
- Soft run speed 'Open' and 'Close' separately programmable
- Automatic timer function
- Programmable relay output: signal light, gate position 'Open'/'Close', wiping impulse – 1 second, malfunction, lighting
- Error message
- Reset function

#### Application

- For sliding gates up to a max. width of 8.000 mm
- For a max. gate weight of 400 kg
- For toothed rack Modul 4
- No active main and second closing edge safety device required for sliding gates up to a max. weight of 400 kg (refer to declarations of conformity)

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Command

Control

Special

Parc 100

# Comfort 870 accu

## 3.06 Operator system for sliding gates



**EOS** EASY OPERATING SYSTEM

**NEW**

### Comfort 870 accu

Article	Article no.	Price each
Motor unit Comfort 870 accu optional: Retrofit kit solar	88 307	

#### Package

- Motor unit Comfort 870 accu with multibit remote control 868 MHz with integrated control unit Control x.81 accu
- Accumulator unit with charge regulator
- Charger
- Digital 304 Mini hand transmitter, 4-channel
- Mounting plate and pre-assembled drive cog, Modul 4
- Mounting material

#### Electrical details

Nominal voltage	24 V DC
Akkukapazität	7,2 Ah
Power input in operation	0,2 KW
Power input stand-by	0,1 W
Operation mode (duty cycle)	KB 5 Min.
Control voltage	24 V DC
Protection category motor unit	(motor unit) IP 44
	(accumulator unit) IP 20
Protection class	III

#### Mechanical details

Push and pull force	400 N
Door travel speed	to 180 mm/sec.
Opening time (gate-specific)	approx. 16 – 25 sec.

#### General details

Measurements	(motor unit) 255 x 318 x 185 mm (accumulator unit) 230 x 280 x 80 mm
Weight (total)	15,0 kg
Range of temperature	(motor unit) -20°C to +60°C (accumulator unit) -15°C to +45°C

#### Function

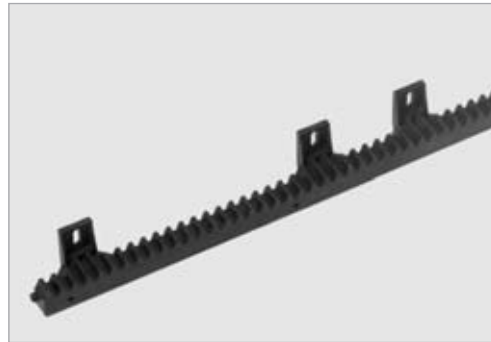
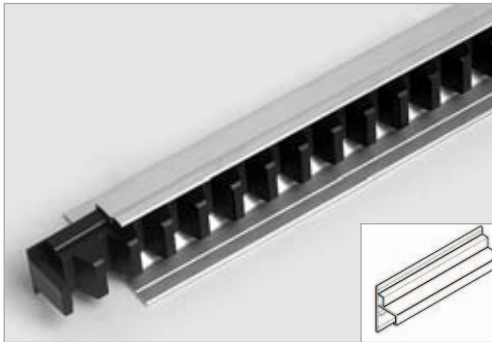
- Economy mode
- Reference point technique
- Soft start/soft stop
- Blocking protection
- Excess travel stop
- Release
- Connection pushbuttons, code keypads and key switches
- Connection photocell 'Open' and 'Close'
- Connection signal light 24 V DC
- Connection closing edge safety device 8,2 kΩ 'Open' and 'Close'
- Integrated evaluation 8,2 kΩ
- Automatic cut-out 'Open' and 'Close' separately programmable
- Partial opening programmable
- Gate travel speed programmable
- Soft run position 'Open' and 'Close' separately programmable
- Soft run speed 'Open' and 'Close' separately programmable
- Automatic timer function
- Programmable relay output: signal light, gate position 'Open'/'Close', wiping impulse – 1 second, malfunction, lighting
- Error message
- Reset function

#### Application

- For sliding gates up to a max. width of 8.000 mm
- For a max. gate weight of 400 kg
- For toothed rack Modul 4
- No active main and second closing edge safety device required for sliding gates up to a max. weight of 400 kg (refer to declarations of conformity)
- Service life at 4 cycles per day
  - approx. 30 days at an ambient temperature of +20°C
  - approx. 22 days at an ambient temperature of 0°C
  - approx. 15 days at an ambient temperature of -15°C

# Rack segments

3.07 **Comfort 850, 850 S, 851, 851 S, 870**



## Special 441 (Module 4)

Article	Article no.	Price each
Plastic toothed rack segments in aluminium cover profile		
Special 441/LS 2.000	71 308	
Special 441/LS 4.000	71 309	

### Package

- Elastically supported plastic toothed rack segments in aluminium cover profile with integrated cable channel
- Sales unit: 1 no.

### Function / Application

- Non-slip power transmission from the operator system to the sliding gate
- For straight toothed wheels
- For the operator systems Comfort 850, 850 S, 851, 851 S, 870

### Technical details / Specifications

Measurements (L)	2.000 mm
	4.000 mm
Weight (total)	2,7 kg
	5,1 kg
Modul	4

## Special 471 (Modul 4)

Article	Article no.	Price each
Plastic toothed rack with steel core, per meter	8 052 649	

### Package

- Plastic toothed rack
- Sales unit: 1 no.

### Function / Application

- Non-slip power transmission from the operator system to the sliding gate
- For straight toothed wheels
- For the operator systems Comfort 850, 850 S, 851, 851 S, 870

### Technical details / Specifications

Measurements (L)	1.000 mm
Weight (total)	1,4 kg
Modul	4



**NEW**

### back-up 400

Article	Article no.	Price each
Battery-back-up for all back-up compatible Marantec operator systems for mounting of gates	87 787	

#### Package

- Accumulator unit with charge regulator
- Connecting cable
- Sales unit: 1 no.

#### Function / Application

- For emergency power supply of the operator systems with Control x.51 and x.81, retrofittable (only with Control x.51 from serial no. 5000059174 onwards and with Control x.81 from serial no. 5000059844 onwards)
- Service life (battery back-up mode) at an ambient temperature of +20°C
  - max. 10 cycles within 1 day

#### Technical details / Specifications

Measurements (W x H x D)	120 x 240 x 100 mm
Weight	4,7 kg
Battery capacity	4,5 Ah
Range of temperature	-15°C to +45°C
Protection category	IP 65



**NEW**

### back-up 450

Article	Article no.	Price each
Battery back-up for Comfort 870 back-up compatible	88 436	

#### Package

- Accumulator unit with charge regulator
- Connecting cable
- Mounting material
- Sales unit: 1 no.

#### Function / Application

- For retrofitting in the housing of Comfort 870
- For emergency power supply of the operator system Comfort 870, from serial no. 500006164 onwards
- Service life (battery back-up mode) at an ambient temperature of +20°C
  - 10 cycles in 24 hours

#### Technical details / Specifications

Measurements (W x H x D)	155 x 125 x 120 mm
Weight	4,7 kg
Battery capacity	4,5 Ah
Range of temperature	-15°C to +45°C

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**NEW**

### Accumulator 700

Article	Article no.	Price each
Replacement rechargeable battery	87 785	

#### Package

- Accumulator unit with charge regulator
- Mounting material
- Sales unit: 1 no.

#### Function / Application

- For power supply of the accu-operator systems with Control x.51 accu and x.81 accu
- Comfortable change of a discharged accumulator
- Service life depends on the operator system

#### Technical details / Specifications

Measurements (W x H x D)	230 x 280 x 80 mm
Weight (total)	6,7 kg
Battery capacity	7,2 Ah
Range of temperature	-15°C to +45°C
Protection class	IP 20



**NEW**

### Retrofit kit solar

Article	Article no.	Price each
Retrofit kit solar	83 252	

#### Package

- Solar module
- Mounting material
- Sales unit: 1 no.

#### Function / Application

- For retrofitting the accu-operator systems with Control x.51 accu and x.81 accu for power supply from solar module

#### Technical details / Specifications

Measurements (W x H x D)	600 x 350 x 120 mm
Weight (total)	6,0 kg
Range of temperature	-20°C to +60°C

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