



**[EOS]** EASY  
OPERATING  
SYSTEM

### Comfort 520, single-wing version

Article	Article no.	Price each
Motor unit Comfort 520 single-wing version anthracite grey	83 081	
traffic white	84 607	
moss-green	84 608	

#### Package

- Motor unit Comfort 520, pre-cabled with Multibit remote control, 868 MHz
- Separate control unit Control x.51
- Digital 304 Mini handtransmitter, 4 channel
- Fittings, gate and post brackets (die-casted and blue chrom plated)
- 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	< 5 W
Operation mode (duty cycle)	KB 5 min.
Control voltage	24 V DC
Protection category	(motor unit) IP 44 (control unit) IP 65
Protection class	II

#### Mechanical details

Push and pull force	1.500 N
Door travel speed	15 – 20 mm/sec.
Opening time (gate-specific)	approx. 15 – 25 sec.
Length of travel	358 mm

#### General details

Measurements	(motor unit) 114 x 120 x 811 mm (control unit) 120 x 240 x 100 mm
Weight (total)	23,6 kg
Range of temperature	-20°C to +60°C

#### Function

- Economy mode
- Reference point technique
- Soft start/soft stop
- Anti-blocking device
- Excess travel stop
- Release
- Connection pushbuttons, code keypads and key switches
- Connection photocell 'Open' and 'Close'
- Connection signal light 24 V DC
- Connection electrical lock 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 (only with Control x.51 from serial no. 5000059174)
- Connection battery back-up
- Automatic cut-out 'Open' and 'Close' separately programmable
- Walk-in wing function programmable (only for double-wing version)
- Partial opening programmable (only for single-wing version)
- 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 single-wing hinged gates
- For a wing width of max. 3.000 mm
- For a wing height of max. 2.500 mm
- Max. 50% covered wing surface
- For a wing weight of max. 400 kg
- Gradient up to max. 2%
- e-measurement from 0 to 100 mm
- With the special fitting Special 502 a negativ e-measurement from 0 to -80 mm is possible
- For hinged gates with a gradient up to max. 10% special fittings Special 503 and Special 504 are available
- Mechanical end stop in 'Open' and 'Close' is required
- The gate details listed above are not binding recommendations for easily movable gates; at higher wind loads the wind and drive moments must be checked
- Not for industrial use

# Comfort 520

## 2.10 Operator system for hinged gates



**[E O S]** EASY OPERATING SYSTEM

### Comfort 520, double-wing version

Article	Article no.	Price each
Motor unit Comfrot 520 double-wing version anthracite grey	83 082	
traffic white	84 609	
moss-green	84 610	

#### Package

- Two motor units Comfort 520, pre-cabled with multibit remote control, 868 MHz
- Separate control unit Control x.51
- Digital 304 Mini hand transmitter, 4-channel
- Fittings, gate and post brackets (die-casted and blue chrom plated)
- 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	< 5 W
Operation mode (duty cycle)	KB 5 min.
Control voltage	24 V DC
Protection category	(motor unit) IP 44 (control unit) IP 65
Protection class	II

#### Mechanical details

Push and pull force	1.500 N
Door travel speed	15 – 20 mm/sec.
Opening time (gate-specific)	approx. 15 – 25 sec.
Length of travel	358 mm

#### General details

Measurements	(motor unit) 114 x 120 x 811 mm (control unit) 120 x 240 x 100 mm
Weight (total)	31,9 kg
Range of temperature	-20°C to +60°C

#### Function

- Economy mode
- Reference point technique
- Soft start/soft stop
- Anti-blocking device
- Excess travel stop
- Release
- Connection pushbuttons, code keypads and key switches
- Connection photocell 'Open' and 'Close'
- Connection signal light 24 V DC
- Connection electrical lock 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 (only with Control x.51 from serial no. 5000059174)
- Connection battery back-up
- Automatic cut-out 'Open' and 'Close' separately programmable
- Walk-in wing function programmable (only for double-wing version)
- Partial opening programmable (only for single-wing version)
- 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 double-wing hinged gates
- For a wing width of max. 3.000 mm
- For a wing height of max. 2.500 mm
- Max. 50% covered wing surface
- For a wing weight of max. 400 kg
- Gradient up to max. 2%
- e-measurement from 0 to 100 mm
- With the special fitting Special 502 a negativ e-measurement from 0 to -80 mm is possible
- For hinged gates with a gradient up to max. 10% special fittings Special 503 and Special 504 are available
- Mechanical end stop in 'Open' and 'Close' is required
- The gate details listed above are not binding recommendations for easily movable gates; at higher wind loads the wind and drive moments must be checked
- Not for industrial use

# Comfort 520 L

## Operator system for hinged gates



**[E O S]** EASY  
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### Comfort 520 L, single-wing version

Article	Article no.	Price each
Motor unit Comfort 520 L single-wing version anthracite grey	83 083	
traffic white	84 611	
moss-green	84 612	

#### Package

- Motor unit Comfort 520 L, pre-cabled with multibit remote control, 868 MHz
- Separate control unit Control x.51
- Digital 304 Mini hand transmitter, 4-channel
- Fittings, gate and post brackets (die-casted and blue chrom plated)
- 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	< 5 W
Operation mode (duty cycle)	KB 5 min.
Control voltage	24 V DC
Protection category	(motor unit) IP 44 (control unit) IP 65
Protection class	II

#### Mechanical details

Push and pull force	1.500 N
Door travel speed	15 – 20 mm/sec.
Opening time (gate-specific)	approx. 20 – 30 sec.
Length of travel	478 mm

#### General details

Measurements	(motor unit) 114 x 120 x 931 mm (control unit) 120 x 240 x 100 mm
Weight (total)	24,1 kg
Range of temperature	-20°C to +60°C

#### Function

- Economy mode
- Reference point technique
- Soft start/soft stop
- Anti-blocking device
- Excess travel stop
- Release
- Connection pushbuttons, code keypads and key switches
- Connection photocell 'Open' and 'Close'
- Connection signal light 24 V DC
- Connection electrical lock 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 (only with Control x.51 from serial no. 5000059174)
- Connection battery back-up
- Automatic cut-out 'Open' and 'Close' separately programmable
- Walk-in wing function programmable (only for double-wing version)
- Partial opening programmable (only for single-wing version)
- 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 single-wing hinged gates
- For a wing width of max. 4.000 mm
- For a wing height of max. 2.500 mm
- Max. 50% covered wing surface
- For a wing weight of max. 400 kg
- Gradient up to max. 2%
- e-measurement from 100 to 200 mm
- With the special fitting Special 502 a negativ e-measurement from 0 to -80 mm is possible
- For hinged gates with a gradient up to max. 10% special fittings Special 503 and Special 504 are available
- Mechanical end stop in 'Open' and 'Close' is required
- The gate details listed above are not binding recommendations for easily movable gates; at higher wind loads the wind and drive moments must be checked
- Not for industrial use

# Comfort 520 L

## 2.12 Operator system for hinged gates



**[E O S]** EASY OPERATING SYSTEM

### Comfort 520 L, double-wing version

Article	Article no.	Price each
Motor unit Comfort 520 L double-wing version anthracite grey	83 084	
traffic white	84 613	
moss-green	84 614	

#### Package

- Two motor units Comfort 520 L, pre-cabled with multibit remote control, 868 MHz
- Separate control unit Control x.51
- Digital 304 Mini hand transmitter, 4-channel
- Fittings, gate and post brackets (die-casted and blue chrom plated)
- 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	< 5 W
Operation mode (duty cycle)	KB 5 min.
Control voltage	24 V DC
Protection category	(motor unit) IP 44 (control unit) IP 65
Protection class	II

#### Mechanical details

Push and pull force	1.500 N
Door travel speed	15 – 20 mm/sec.
Opening time (gate-specific)	approx. 20 – 30 sec.
Length of travel	478 mm

#### General details

Measurements	(motor unit) 114 x 120 x 931 mm (control unit) 120 x 240 x 100 mm
Weight (total)	32,8 kg
Range of temperature	-20°C to +60°C

#### Function

- Economy mode
- Reference point technique
- Soft start/soft stop
- Anti-blocking device
- Excess travel stop
- Release
- Connection pushbuttons, code keypads and key switches
- Connection photocell 'Open' and 'Close'
- Connection signal light 24 V DC
- Connection electrical lock 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 (only with Control x.51 from serial no. 5000059174)
- Connection battery back-up
- Automatic cut-out 'Open' and 'Close' separately programmable
- Walk-in wing function programmable (only for double-wing version)
- Partial opening programmable (only for single-wing version)
- 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 double-wing hinged gates
- For a wing width of max. 4.000 mm
- For a wing height of max. 2.500 mm
- Max. 50% covered wing surface
- For a wing weight of max. 400 kg
- Gradient up to max. 2%
- e-measurement from 100 to 200 mm
- With the special fitting Special 502 a negativ e-measurement from 0 to -80 mm is possible
- For hinged gates with a gradient up to max. 10% special fittings Special 503 and Special 504 are available
- Mechanical end stop in 'Open' and 'Close' is required
- The gate details listed above are not binding recommendations for easily movable gates; at higher wind loads the wind and drive moments must be checked
- Not for industrial use