

# Comfort KST3224



## Article

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Item no.	Description
178370	<b>Comfort KST3224</b> Set for double-leaf swing gates up to 3.0 m: 24 V DC motor, 1,400 N, 2.5 cm/s, 128°, without encoder

## Scope of delivery

- Left and right motor unit without cable (2x1.5 mm<sup>2</sup> required)
- External control unit Control CBX20224L with integrated radio receiver, 868 MHz bi.linked
- 2 Digital 572 Micro hand transmitters 2-channel, 868 MHz bi.linked
- LS22 one-way light barrier without cable
- Gate and angle bracket

## Features

### Comfort ST3024

#### Features

- Active closing edge protection necessary
- Mechanical end stop in end position OPEN and CLOSED necessary
- 2-wire technology for easy retrofitting
- Very quiet mechanism
- All mechanical parts protected against weather influences
- Sturdy and UV-resistant plastic housing
- Gate and pillar angle for easy motor installation

## CBX20224L

### Features functions

- Current-dependent obstacle detection with reversal
- Soft start/soft stop/soft run
- Automatic feed function
- Gate open time and prewarning time separately programmable
- Lighting duration programmable and switchable by radio
- Partial opening programmable
- Running speed OPEN and CLOSE separately programmable
- Soft run speed OPEN and CLOSE separately programmable
- Soft run position OPEN and CLOSE separately programmable
- Cycle counter
- Maintenance interval programmable
- Error signaling
- Simple reset function (complete reset)

### Features operation

- Same programming logic for all controls - CBX102B, CBX10224 and CBX20224
- 2 menus: simple and advanced - for easy programming, but customizable installation
- Programming and status indication via LED display

### Features structure and connection

- Battery backup can be integrated in the housing
- Integrated radio receiver bi.linked 868 MHz
- Connection (conventional) for push button
- Connection (conventional) for 4-wire photoelectric sensor OPEN and CLOSED
- Connection (conventional) for holding circuit
- Connection (conventional) for 8.2 kOhm contact strip
- Connection (conventional) for 24 V-DC signal light
- Connection (conventional) for 12 V-AC electric lock
- Connection for battery backup
- Output 24 V-DC, max. 250 mA

## Digital 572

### Features

- 2 function keys for free assignment
- Signaling by red LED
- Eyelet for attachment to keychain or lanyard
- High security through 128-bit AES-encrypted radio transmission and constantly changing radio code (rolling code method)

## Use

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### CBX20224L

- For Comfort ST3024 and RA2224(E)

### Digital 572

- For all Marantec controls and third-party products (in conjunction with corresponding bi.linked receiver)

## Technical data

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### Comfort ST3024

- Encoder: No
- Continuous sound pressure level (max.)[dB(A)]: 70
- Connection type: Conventional
- Protection class: IP44
- Width gate wing (max.)[m]: 3
- Height gate wing (max.)[m]: 2
- Weight of gate leaf (max.)[kg]: 400
- Gradient (max.)[%]: 0
- Temperature (min.)[°C]: -20
- Temperature (max.)[°C]: 55
- Temperature (min./max.)[°C]: -20/55
- Temperature (min.)[°F]: -4 °F
- Temperature (max.)[°F]: 131 °F
- Push and pull force (max.)[N]: 1,400
- Motor power [kW]: 0.09
- Running speed (max.)[cm/s]: 2.5
- Opening angle (max.)[°]: 128
- Operating voltage [V]: 24 V-DC
- Operating voltage type: Direct current
- Motor voltage [V]: 24 V-DC
- Rated current [A]: 3.5
- Width [mm]: 115
- Height [mm]: 177
- Depth [mm]: 741
- Depth (min.)[mm]: 741
- Depth (max.)[mm]: 1,141
- Movement stroke (max.)[mm]: 400
- Weight [kg]: 3.2
- Garantie: 5 years

## CBX20224L

- Radio frequency: 868 MHz
- Radio technology: bi.linked
- Protection class: IP54
- Temperature (min.)[°C]: -20
- Temperature (max.)[°C]: 55
- Temperature (min./max.)[°C]: -20/55
- Temperature (min.)[°F]: -4
- Temperature (max.)[°F]: 131
- On-site supply: 230 V/1~/50 Hz 230 V/1~/60 Hz
- Operating voltage [V]: 24 V-DC
- Motor voltage [V]: 24 V-DC
- Control voltage [V]: 24 V-DC
- Load capacity Power (max.)[kW]: 0.21
- Width [mm]: 222
- Height [mm]: 275
- Depth [mm]: 110

## Digital 572

- Housing type: Micro
- Number of freely programmable keys: 2
- Channels: 2
- Antenna: Integrated
- Radio frequency: 868 MHz
- Radio technology: bi.linked
- Radio coding: Marantec
- Communication direction: Unidirectional
- Color: RAL 9005 RAL 9016
- Temperature (min.)[°C]: -20
- Temperature (max.)[°C]: 60
- Temperature (min./max.)[°C]: -20/60
- Temperature (min.)[°F]: -4
- Temperature (max.)[°F]: 140
- battery type: CR2032, 3 V
- Battery count: 1
- Width [mm]: 39
- Height [mm]: 60
- Depth [mm]: 12
- Weight [kg]: 0.03
- Packing width: 56
- Packing height: 52
- Packing depth/length: 76
- Packing weight: 0.055

- Freight forwarding articles: No
- GTIN: 4062434000922
- Customs tariff number: 85269200
- Country of origin 1000: Deutschland
- Garantie: 2 years

## Accessories

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Item no.	Description
178392	KBP Battery backup, 1.3 Ah, for installation in a control housing
178393	KITFIXBATT Mounting set for battery backup in the control housing
178386	ADFB 2 adjustable gate brackets
178387	ADRB 2 adjustable angle brackets
178391	ELS-C 12 V-DC electric lock for pillar locking from a wing span of 2.5 m
178392	KBP Battery backup, 1.3 Ah, for installation in a control housing
178393	KITFIXBATT Mounting set for battery backup in the control housing

## Successors

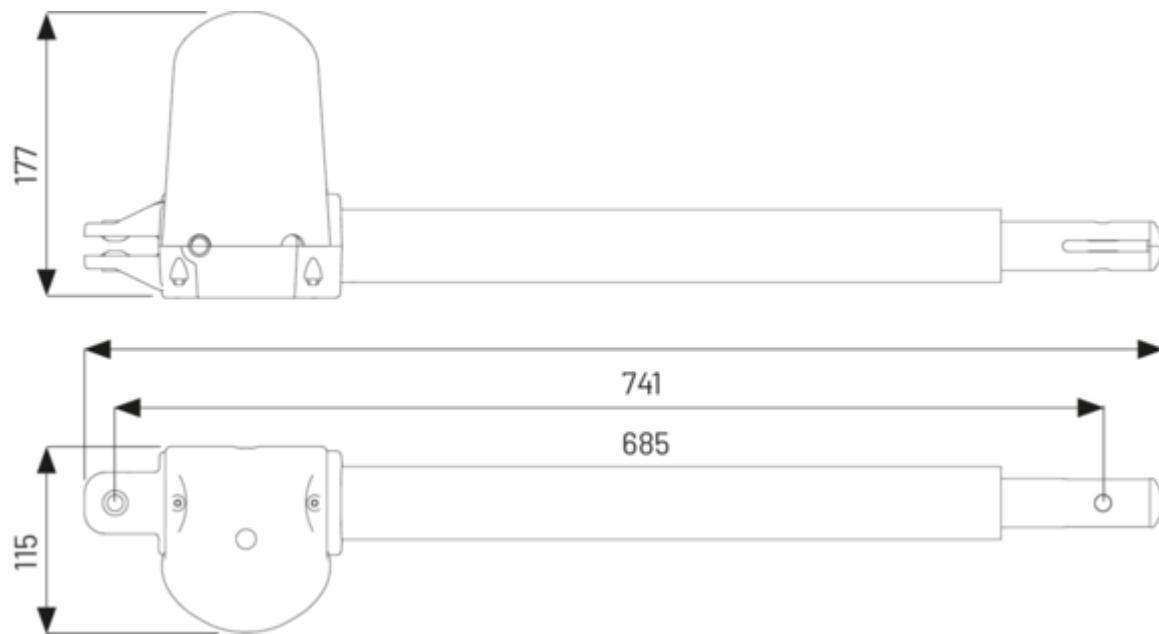
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Item no.	Description	Market launch
191487	Comfort ST3024 Set für 2-flügelige Drehtore bis 3,0 m: 24-V-DC-Motor, 1.400 N, 2,5 cm/s, 128°, ohne Encoder	2023-08-15

## Technical drawings

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### Comfort ST3024



CBX20224L

