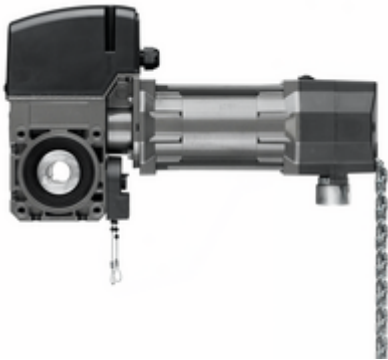


STA 1-10-24 E-KE



Article

Item no.	Description
189789	STA 1-10-24 E-KE Set for spring balanced sectional doors up to 30 m ² , 400 V-AC motor, 100 Nm, 24 min-1, AWG, with load contactor control CS 320

Scope of delivery

- Operator STA 1-10-24 E-KE 400 V/3~ AWG 25.4 mm with 1,000 mm reel chain
- CS 320 400 V/3~ control unit in CS standard housing with 3-way push-button and LC display in the cover, connection cable with 5-pin red CEE plug
- Cable set with connection terminals and cable glands in control unit and drive, 7,000 mm
- Reel chain: 11,000 mm, with 2 chain locks
- L-shaped torque support
- Accessory bag with feather key for solid shaft (6.35x6.35x105 mm) and high feather key for hollow shaft 25.4/31.75 mm (6.35x9.53x130 mm)
- Spiral cable 5x0.25 mm² with mounting bracket, cable glands, connection terminals for the control unit and plug for the door leaf junction box, 1,600 mm uncoiled/800-3,200 mm coiled length
- Door leaf junction box with circuit board, opening for spiral cable and 4 cable entries
- F photoelectric sensor transmitter 10,500 mm/receiver 1,000 mm with 2 F spacer sleeves 11/22 mm

Features

STA 1-10-24 E-KE

Features

- 2 versions available: STA - external control, STAC - integrated control

- Die-cast aluminum housing, rolled worm shaft and double worm shaft bearings
- Emergency operation via emergency hand crank (KU), emergency hand chain (KE), emergency release (E), emergency release with spring return (E-FR) or maintenance release with emergency hand chain (E-KE)
- Maintenance release optional
- Easy conversion from crank to chain
- Hollow shaft 25.4 mm as standard, special hollow shaft on request
- Supply: 230/400 V/3~/50 Hz
- Thermal protection in the motor winding
- For gate systems with above-average circuits, a operator with an increased motor duty cycle (HD) should be selected
- Pluggable connectors
- End position setting via electronic absolute encoder (AWG) or mechanical limit switches (MEC)
- Special variants such as other voltages and frequencies, different output speeds, higher degrees of protection and hollow shaft Ø on request
- ATEX version available (see chapter "Operators for hazardous areas")
- For temperature ranges below -20 °C there is suitable oil and electric heating on request

CS 320 2,2 kW

Features functions

- 4 programmable relay outputs with 44 functions
- 2 programmable inputs with 27 functions
- Changing the direction of rotation via circuit board push button/display
- Intermediate position programmable (only with AWG)
- Adjustable power limitation in OPEN direction (only with AWG)
- Rotation direction monitoring and detection (only with AWG)
- Integrated gate run counter
- Programmable maintenance alarm (PIN code protected)
- Integrated error memory (readout of all error messages indicating frequency and cycle of last occurrence) only with LCD monitor

Features end position adjustment

- Via mechanical limit switches (MEC) and/or via absolute encoders (AWG)
- Setting via circuit board push button or plug-in LCD monitor

Features operation

- Circuit board push buttons and LEDs for status indication (standard)
- Pluggable LC display with plain text display
- 3-button navigation/status and diagnostic messages

Features structure and connection

- Switchable transformer from 230 V/1~/3~ to 400 V/3~
- Short-circuit proof extra-low voltage
- Illuminated cover keypad (night illumination)
- Housing protection for printed circuit board
- Adjustable, preassembled wall brackets
- Connection for elements of the safety circuit

- Connection for closing edge protection (opto, 8.2 kOhm, pressure wave bar or leading light barrier) in CLOSE direction
- Connection for closing edge protection (8.2 kOhm and opto) in OPEN direction
- Connection for 2 light barriers (2-wire, relay, NPN, PNP) with/without testing
- Connection for wicket door and slack rope switch PL c cat. 2 (8.2 kOhm) with testing according to EN 12453:2017
- Connection for 2 light grid systems with/without testing
- Connection for radar presence detector
- Interface for connecting a frequency converter
- Interface for connecting expansion modules
- Slots for radio module and weekly timer
- Slot for 2-channel radio transmission system for wireless signal transmission of closing edge system and/or safety circuit
- Control of the magnetic brake via relay output
- For operators with externally switched brake, a brake monitoring module is additionally installed (BWM1)
- Supply for external devices (24 V-DC/500 mA and 230 V-AC/1 A)

Features Optional

- LCD monitor with plain text display
- MS-Bus extension module two-way traffic control
- MS-Bus extension module pull-in safety device
- Integrated main switch
- Customized cover lamination
- Control in steel cabinet
- A second CS 320 can be coupled via MS-BUS in DUO function

Technical data

STA 1-10-24 E-KE

- Gearbox: Rolled worm shaft Double bearing worm shaft
- Safety catch integrated: No
- Brake control: Without brake
- Brake type: Without brake
- Emergency operation: Maintenance release with emergency hand chain (E-KE)
- End position system: Absolute encoder
- Overload protection: Thermal protection 140 °C
- Continuous sound pressure level (max.) [dB(A)]: 70
- Control type: External
- Connection type: Pluggable
- Protection class: IP54
- Door area (max.) [m²]: 30
- Temperature (min.) [°C]: -20
- Temperature (max.) [°C]: 60
- Temperature (min./max.) [°C]: -20/60

- Temperature (min.)[°F]: -4 °F
- Temperature (max.)[°F]: 140 °F
- Output torque [Nm]: 100
- Output speed [1/min]: 24
- Holding torque (min.)[Nm]: 600
- Output revolutions (max.)*: 20
- Cycles per hour (max.): 20
- Motor power [kW]: 0.37
- Operating voltage [V]: 400 V/3~
- Operating voltage type: Three-phase current
- Nominal frequency [Hz]: 50
- Control voltage [V]: 24 V-DC
- On-site fuse protection (mains operation 230 V/3~)[A]: 16
- On-site fuse protection (mains operation 400 V/3~)[A]: 16
- Rated current in delta connection [A]: 3.50
- Rated current in star connection [A]: 2.00
- Dimension A [mm]: 245
- Dimension A1 [mm]: 55
- Dimension B [mm]: 104
- Dimension C [mm]: 409
- Dimension C1 [mm]: 55
- Shaft support [mm]: 25.4
- Shaft mounting (optional)[mm]: 25 30 31.75 35 32 mm hexagon (HEX)
- Weight [kg]: 15

CS 320 2,2 kW

- Housing type: CS Standard
- Pushbutton in the control cover: Electronic 3-series pushbutton CS
- Function switch in the control cover: Without function switch
- Main switch in the control cover: Without main switch
- Emergency stop in the control cover: Without emergency stop
- Power plug: CEE plug 5-poles. red
- Display type: LCD
- Protection class: IP65
- Temperature (min.)[°C]: -10
- Temperature (max.)[°C]: 45
- Temperature (min./max.)[°C]: -10/45
- Operating mode (control): Deadman
- On-site supply: 400 V/3~/50 Hz
- Control voltage [V]: 24 V-DC
- On-site fuse protection (mains operation 230 V /1~)[A]: 10
- Switching current (max.)[A]: 8
- Load capacity Power (max.)[kW]: 2.2
- Width [mm]: 215

- Height [mm]: 275
- Depth [mm]: 190
- Packing width: 0
- Packing height: 0
- Packing depth/length: 0
- Packing weight: 2.504
- Freight forwarding articles: No
- GTIN: 4062434014134
- Customs tariff number: 85371091
- Country of origin 1000: Deutschland
- Garantie: -