

# CS 320 2,2 kW



# **Article**

Item no. Description

185658 CS 320 2,2 kW 400 V/3~ with LC display in CS combination housing and 3-series pushbutton in cover,

1,000 mm cable and CEE plug 5-pole

# Scope of delivery

• Control unit CS 320 400 V/3~ with LC display in CS combination housing and 3-fold pushbutton in cover, 1,000 mm cable and CEE plug 5-pole

# **Features**

#### 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 k0hm) 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

- Housing type: CS Combi
- 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]: 245
- Height [mm]: 455
- Depth [mm]: 190
- Packing width: 0
- · Packing height: 0
- Packing depth/length: 0
- Packing weight: 3.124
- Freight forwarding articles: No
- GTIN: 4062434014158
- Customs tariff number: 85371091
- Country of origin 1000: Deutschland
- Garantie: -

# Accessories

ltem no.	Description

96186 System connector MS bus 4-pole, 50 pieces

8050843 **System cable** 4-pole, 50 m

96185 **Crimp tool** for connectors for system cabling and MS bus