

# RS 301 K + CS 320



## Article

Item no.	Description
193143	RS 301 K + CS 320 400 V/3~ with LC display in CS maxi housing, buttons for lift/auto-return, 3-series buttons and main switch in the cover, 1,000 mm cable and 5-pin CEE plug

## Scope of delivery

- RS 301 K + CS 320 400 V/3~ control unit with LC display in CS maxi housing, buttons for lift/auto-return, 3-way button and main switch in cover, 1,000 mm cable and 5-pin CEE plug

## Features

### Features functions gate control

- 4 programmable relay outputs with 44 functions
- Integrated cycle counter/goal counter
- 2 programmable inputs with 27 functions (gate)
- Changing the direction of rotation via circuit board push button/display
- Adjustable power limitation for both running directions (only with AWG)
- Rotation direction monitoring and detection (only with AWG)
- Integrated error memory (readout of all error messages indicating frequency and cycle of last occurrence) only with LCD monitor

### Features Ramp control functions

- For controlling a dock leveller with a folding wedge
- 4 valve versions for flap wedge control
- Start-up interlock after power failure

- Rotary field test/phase failure detection
- 1 programmable input with 4 functions (bridge)
- Control of the gate sealing (Shelter function)
- Enabling/locking the automatic gate
- Release/locking by external gate control
- Auto Return

### 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

- 1 Direction key
- 3-series push button gate control
- Auto return button
- Pluggable LC display with plain text display
- 3-button navigation/status and diagnostic messages

### Features structure and connection

- Integrated main switch
- Integrated fuses for the hydraulic power unit (standard: 4 A, on request 6.3 A)
- Switchable transformer from 230 V/1~/3~ to 400 V/3~
- Power supply for external devices (RS: 24 V-DC/250 mA; CS: 24 V-DC/500 mA and 230 V-AC/1 A)
- Short-circuit proof extra-low voltage
- Connection of indoor and outdoor traffic lights
- Connection of wheel wedge and start-up sensor
- Connection of loading light or signal horn
- Connection for locking the dock leveller
- Connection for locking the gate system
- 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

### Features Optional

- Automatic return
- Control in steel cabinet

## Technical data

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- Housing type: CS-Maxi
- Pushbutton in the control cover: Electronic 3-series pushbutton CS Lift Auto Return
- Function switch in the control cover: Without function switch
- Main switch in the control cover: Main switch 4-pole
- 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: 180-440 V/3~/N/PE/50/60 Hz
- Mains frequency [Hz]: 50/60
- Control voltage [V]: 24 V-DC
- Switching current gate control (max.)[A]: 8
- Switching current ramp control (max.)[A]: 6.3
- Current consumption per valve (max.)[A]: 0.8
- Load capacity power gate control (max.)[kW]: 2.2
- Load capacity Ramp control power (max.)[kW]: 2.2
- Width [mm]: 260
- Height [mm]: 550
- Depth [mm]: 245
- Packing width: 0
- Packing height: 0
- Packing depth/length: 0
- Packing weight: 4.504
- Freight forwarding articles: No
- GTIN: 4062435001935
- Customs tariff number: 85371091
- Country of origin 1000: Deutschland
- Garantie: -