

# WS 900 door control

Reversing contactor control for GfA ELEKTROMATEN® drives  
with NES mechanical limit switch

## Approvals and certificates

### WS 900

Type test according to:  
DIN EN 12453  
DIN EN 60335-1  
TÜV NORD CERT GmbH



WS 900



## WS 900 – Reversing contactor control for NES

### Technical data

- For GfA ELEKTROMATEN with mechanical limit switch NES
- Supply voltage:  
1N~230V, PE / 3~230V, PE  
3N~400V, PE / 3~400V, PE
- Operating frequency: 50 / 60 Hz
- Control voltage: 24V AC
- 2 or 3 contactors
- Mains supply ratings for external devices:  
24V AC (1.0A)
- Permissible temperature range: -10°...+50°C

### Housing

- Dimensions W x H x D [mm]: 145 x 101 x 209
- Protection class IP54, IP65 as an option

### Description

- Mechanically inter-locked reversing contactors, optional with additional safety contactor
- Integrated push-button OPEN-STOP-CLOSE on the board
  - For quick adjustment of the final limit positions directly on the drive unit
- Plug-in connection cable to ELEKTROMATEN
- Available with optional ready-wired CEE plug, replaces mains switch according to EN 12453

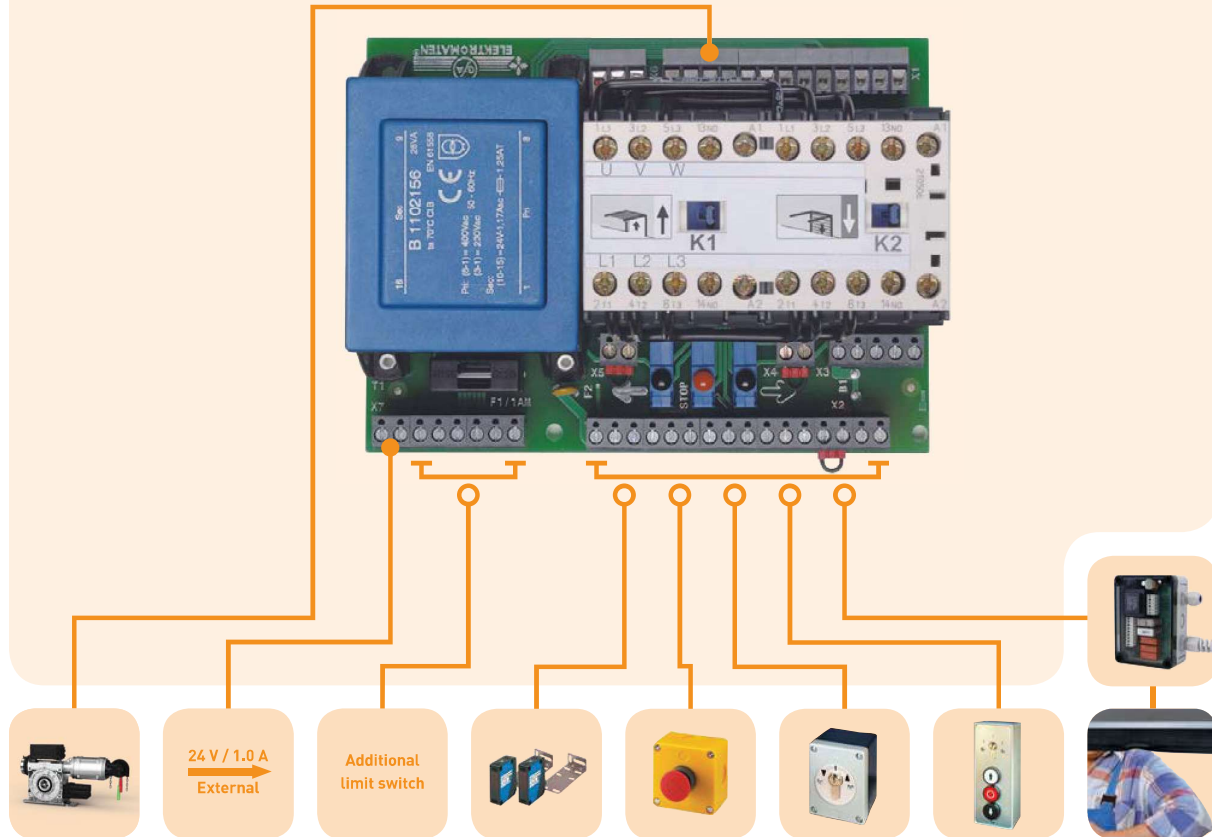
### Functions

- Selectable operating mode:
  - CLOSE / OPEN in hold-to-run mode
  - CLOSE in hold-to-run mode / OPEN in self-hold mode
  - Self-hold CLOSE / OPEN in conjunction with:  
Control unit 647 for optical safety edge (see 9.006) or universal control unit 690 for electrical / pneumatic safety edge (see 9.009/9.012)
- Slack-rope and pass-door switch input available
- Possible connections for: push-button, emergency stop-switch, radio control, etc.

## Connection options

Part no. installation drawing: 50001883

WS 900

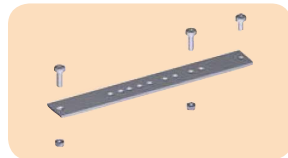


## Door control



Designation	Description	Part no.
WS 900 2 reversing contactors 24V	With 0.8m cable and connection plugs for ELEKTROMATEN, without CEE-plug	20090000.10003
WS 900 3 reversing contactors 24V	With 0.8m cable and connection plugs for ELEKTROMATEN, without CEE-plug	20090000.10004

## Accessories



Designation	Description	Part no.
Mounting bracket WS 900	For series SG50, SG63, SG63-SIK (with standard motors only)	30002937

■ Additional accessories may you find in section 9

## Spare parts WS 900



Designation	Description	Part no.
Top section of housing WS	1 With screws	30003375
Bottom section of housing WS	2	30001877
Reversing contactor board	3 2 reversing contactors; control voltage: 24V	30004039
Reversing contactor board	3 3 reversing contactors; control voltage: 24V	30004229
Connection cable 0.8m	4 With connection plug for ELEKTROMATEN	30004717.00080