ERICH OTT

STA

Current transformer output

Current transformer output	STA

Nominal voltage	**230 V - 500 V~**
Nominal current	**6A**
	15 A
	25 A
Current transformer output	**0-1 A** **Ri . . 1,5Ω**
Temperature range	**0 .. 55°C**
Dimensions (Euro board)	**100 x 160 mm**
Front panel	**14 TE /3 HE**

Converter board

The converter board STA is designed as replacement for the voltage adjuster SRS, pin compatible refitting of the heating control system from actuator to contactor operation by replacing the board.

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TABLE OF CONTENTS

Warning
The installation, configuration and commissioning may only be carried out by qualified and accordingly trained persons. The indications in this operating manual as well as the on-site installation and safety regulations must be observed..

Proviso
We reserve the right for technical changes. Aberrations, changes and printing errors do not justify any claims for damage. For safety components and systems the relevant standards and regulations must be observed as well as the according operating and installation instructions.

Repair
Dismantling takes place in reverse order than the installation. A repair of the device is not possible concerning the switching element. All other repairs may only take place in the factory of the manufacturer. The basic devices (Inserted parts without terminal box) are, capillaries excluded, irreparable. These may only be changed in the factory. An intervention is not permitted.
Changes, that modify the design of the device, will cause that the validity of the certificate and any claim for damage void.
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Read through this operating manual carefully, before you take the device into operation. Keep this manual at a place accessible for all users at any time.

Please support us to improve this operating manual. We are grateful for your suggestions!

Please contact us for technical queries!
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1.0 DESCRIPTION

Characteristics

- Easy installation
- Pin assignment is retained
- Current transformer output (1A)
- Effective value display

The converter board STA-500/25N was designed as replacemant for the voltage adjuster SRS-220/25N , which already operates in the range of 90 -100 % of the operating voltage and provides the following functions:

- Pin assignment ís retained
- Power indicator and current transformer output (1 A) for further processing e.g. as open circuit monitoring in the TRB-P-Ex..
- „Rewiring“ via the circuit board for contactor control.

2.0 TECHNICAL DATA

Nominal voltage	230 V -500 V~
Nominal current max.	25 A / 15 A / 6 A
Current transformer output	0 - 1 A; R_i ...1,5Ω
Multipoint connector	DIN 41612 Form H/F (Mixed socket pin compatibke to SRS)
Dimensions euro board	100 x 160 mm
Temperature range	0 - 55 °C
Front panel	Aluminium 14TE; 3 HE

3.0 BASIC EQUIPMENT

- -Current transformer output (VDE 0551)
- - Effective value display by use of analogue iron vane ampere meter
- - Optionally 25/1A, 15/1A or 6/1A
- - Connector strip according to DIN 41612 (Mixed socket)
- - Pin compatible to constant voltage adjuster type SRS -220/25N
- (See operating manual SRS)

4.0 PIN COMPATIBILITY

The constant voltage adjuster SRS-220/25N and the converter board STA-500/25N are 100% interchangeable without changing the wiring. By using our compatible power plugs, for the first time the retrofitting of a heating control system from actuator to contactor and reverse„ only by exchanging a 19” board, is practicable.

(See also data sheet for SRS -220/25N)

5.0 TYPE CODE

STA [_ **1**] / [_ **2**]

1	500	Nominal voltage 230 V- 500 V

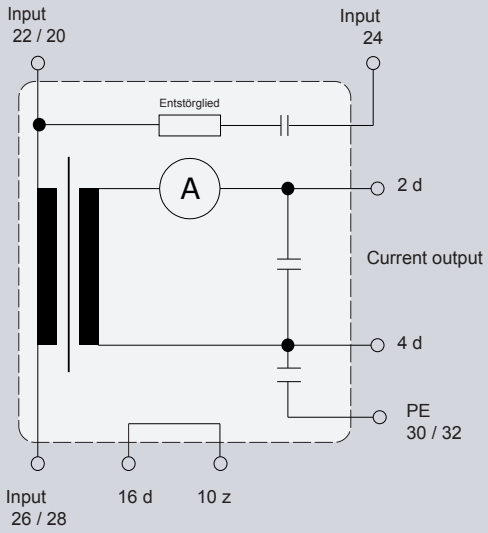
2	6	Measuring range of display (A) 6
	15	Measuring range of display (A) 15
	25	Measuring range of display (A) 25

Example:

Measuring range of display 6, Nominal voltage 230 V

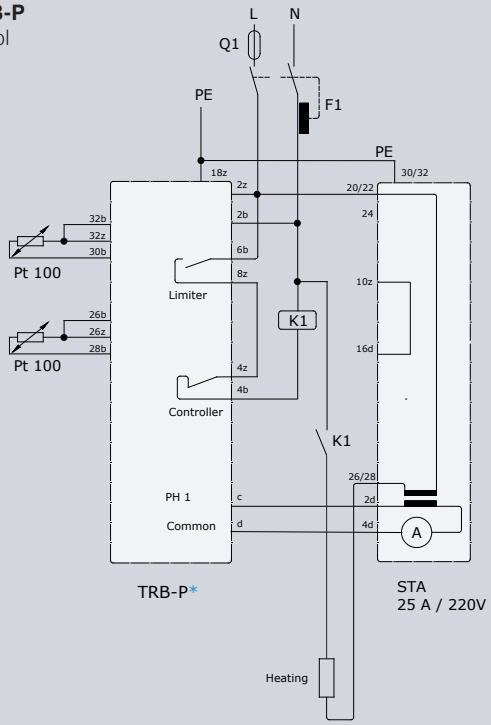
STA [**500** **1**] / [**6** **2**]

6.0 CONNECTION DIAGRAM STA

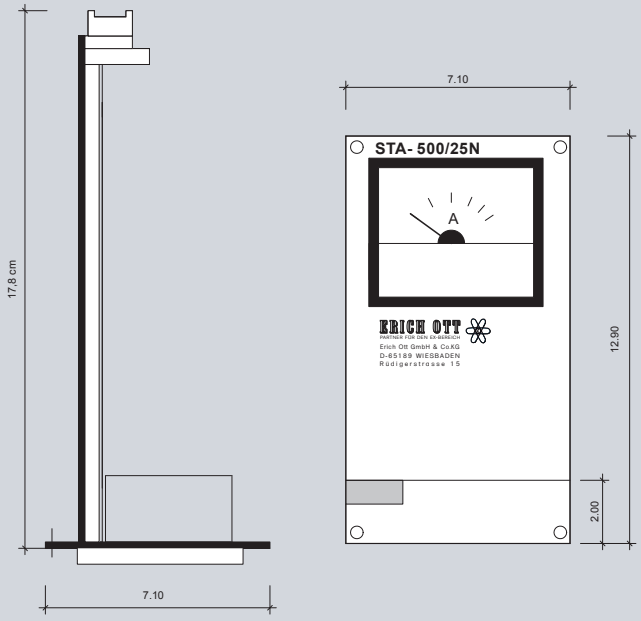


7.0 CIRCUIT DIAGRAM STA WITH TRB-P

STA with TRB-P
contact control



8.0 DIMENSIONS STA



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