

Box chopper amplifier

Type: BOE XXX – 025 – 0 – 5 - 0A order no. 46965

1. power supply:

24 V DC (18V ... 28 V)

2. output current

-300 mA ... 0 mA ... +300 mA

adjustable with Poti from $\pm 200\text{mA}$ to $\pm 1000\text{ mA}$

3. input signal

0 ... ± 10 Volt

optional delivery :

4 ... 20 mA

4. technical details

Chopper amplifier for inductive loads with current controller and dither generator for servo valves

Potentiometer on the front side for all adjustments

5. dimensions

breadth: 25 mm

length: 79 mm

high above rail: 85,5 mm

6. environment

IP 40, for mounting in an electrical cabinet or junction box

temperature range : -20C° to $+60\text{C}^\circ$

7. order model code

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legend: 1 2 3 4 5 6

1 = Type

2 = rated current, possible models

xxx = stock type, adjusted on $\pm 300\text{ mA}$

200 = 200mA

650 = 650 mA

3 = housing code

025 = UEGM housing type 25 mm breadth

4 = code for input signal, possible models

0 = ± 10 Volt

2 = 4 ... 20mA

5 = code for power supply

5 = unipolar power 24V

6 = code for construction level

0A

8. connection

Pin 1 Signal input –

Pin 2 Signal input +

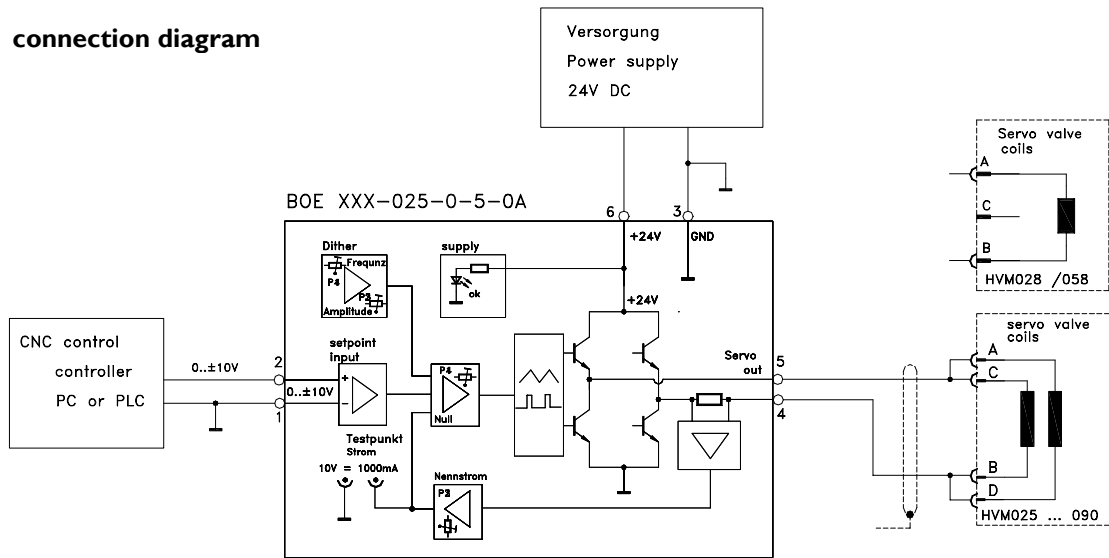
Pin 3 power GND Mass

Pin 4 Servo conn. –

Pin 5 Servo conn. +

Pin 6 power supply +24V

9. connection diagram



rated valve current adjustment:
 check with 10 volt input the voltage drop on testpoints and adjust with poti P3
 adduction: 3 Volt = 300mA
attention: don't check current with an a-meter in a short circuit or with an ohmic resistance between pin 4 and pin 5

valve direction:
 The servo valve direction can be changed by changing the wire on pin 4 and pin 5

10. front view and picture

