

# Servo amplifier

**RE 29716/05.05**  
Ersetzt: 06.90

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## Type VT1600

Series 3X

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### Features, Function

Servo amplifiers type VT 1600 S3X are used to control servovalves.  
By altering internal bridges, the PID regulator may be uncoupled. In this way, the following positioning regulator can be directly controlled. The ammeter built into the front plate shows the current to the servo valve;  $\pm 30$  divisions indicate  $\pm 60$  mA!

### Ordering Code

VT 1600	S	3X/		*
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32-pole linear plug to DIN 41612  
(for install. in Euro card magazines and card holders) = S

Series 30 to 39  
(30 to 39: Install. and connect. dimens. remain unchanged) = 3X

further details in clear text

0 = without  $\pm 15V$  voltage regulator  
1 = with  $\pm 15V$  voltage regulator

no desig. = German front plate  
E = English front plate

Information about available spare parts:  
[www.boschrexroth.com/spc](http://www.boschrexroth.com/spc)

## Technical Data (for applications outside these parameters, please consult us!)

Supply voltage	$U$	$\pm 22$ to $28$ V smoothed ( $\pm U_L$ )
Supply voltage	$U$	$\pm 15$ V ( $\pm U_M$ ) -without voltage regulator-
Signal voltage	$U$	0 to $\pm 10$
Current requirement at $\pm U_L$	$I$	$< 200$
Output current	$I_{\max}$	$\pm 60$
Dither		340 Hz / $3\text{mA}_{\text{ss}}$
Relay data:		
Relay coil voltage	$U$	$\pm 22$ to $28(\pm U_L)$
Duty cycle	$t$	1
coil resistance	$R$	2000
Plug connector		indirect / DIN 41612 / Form D / 32-pole
Space requirements: Conductor side Component side		1 division 7 division 1 division = 5,08mm
Temperature range	$\vartheta$	$0^\circ$ to $+50^\circ$
Weight	$m$	0,15

## Terminal Connections

