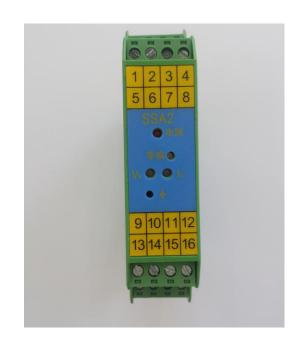


SSA2servo amplifier



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Function

SSA2 servo amplifier is a dedicated amplifier for driving electro-hydraulic servo valves. This amplifier can accept three types of standard signal sources. After conversion and amplification, it can drive most types of nozzle baffle servo valves, jet tube servo valves, and direct-acting servo valves at home and abroad. Type servo valve and other electro-hydraulic servo valves.

Feature

- Input signal selectable
- \pm 10mA\ \pm 10V\4 \sim 20mA
- Output signal optional
- \pm 5mA\ \pm 10mA\ \pm 20mA\ \pm 40mA\
- \pm 50mA\ \pm 100mA\ \pm 200mA\ \pm 10V
- Output signal positive and negative

indication

- Optional dither signal
- Adopt 35mm DIN rail installation

Installation method:

Technical parameter

Contact us if other models

Sheet 1 SSA2Servo Amplifier Technical Parameters

Function	Technical parameter								
Supply voltage	+24V DC@500mA power.								
	The maximum power supply voltage range is not more than								
	36V, and the minimum is not lower than 18V								
Temperature									
Using temperature	0° C∼ 40° C								
Saving temperature	-40° C∼85° C								
Command input	Command input: Can receive ± 10 mA\ ± 10 V\4 \sim 20mA input								
Flutter signal	Frequency 300Hz, \pm 20%In amplitude adjustable								
Servo valve signal output:									
Current output mode:	\pm 5mA@2400 Ω maximum load\ \pm 10mA@1200 Ω								
	maximum load\								
	\pm 20mA@600 Ω maximum load\ \pm 40mA@300 Ω								
	maximum load\								
	\pm 50mA@240 Ω maximum load\ \pm 100mA@120 Ω								
	maximum load\								
	\pm 200mA@60 Ω maximum load\4 \sim 20mA@600 Ω								
Voltage entent mede	maximum load\								
Voltage output mode	\pm 10V@1000 Ω minimum load\								
Vv LED	Positive voltage output = red								
VV LED	Negative voltage output = green								
Iv LED	Positive current output = red								
IV IIII	Negative current output = red Negative current output = green								
Degree of protection	IP20								
J P									
Size:	Guide: 100 (W) ×115(H)×25.4(L)mm								
Weight:	0.16kg								
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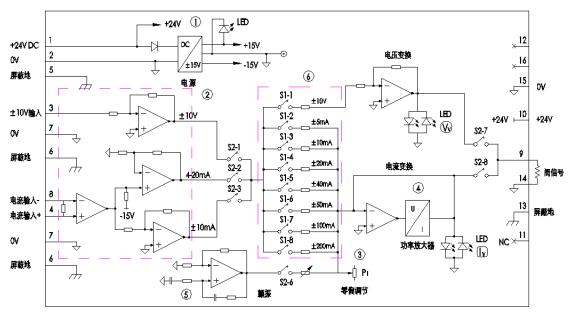


Figure 1 SSA2 servo amplifier functional block diagram

Function and principle:

- ① The function of the power conversion circuit is to convert the external DC24V power supply into ± 15 V power supply for the internal circuit of the servo amplifier.
- ② The function of the preamplifier circuit is to convert different types of command signals into standard ± 10 V signals, so as to adapt to the input signal requirements of the power amplifier circuit, so that the front and rear stages of the circuit voltage can match.
- ③ The function of the zero adjustment circuit is to adjust the zero position of the output current.
- ④ The function of the current limiting function is to limit the maximum output current of the servo amplifier itself to no more than 210mA.
- ⑥ The function of the gain selection circuit is to change the gain of the amplifier through the dial switch to change the output current.

Pin assignment

1	2	3	4						
5	6	7	8						
SSA2 ※ 电源									
婆偏 ● Vy ❷ ❷ Iy									
• +									
9	10	11	12						
13	14	15	16						

SSA2伺服放大器端子定义							
1:电源+/+24V DC	9:阀信号+						
2:电源-/0V	10:+24V电源输出						
3:电压输入信号+	11:NC						
4:电流输入信号+	12:NC						
5:屏蔽地	13:屏蔽地						
6:屏蔽地	14:信号地/阀信号-						
7:信号地/电压输入信号-	15:信号地						
8:电流输入信号-	16:NC						

Figure 2 Terminal Definition Diagram

The SSA2 servo amplifier interface and its definition are shown in Figure 2. Refer to the schematic diagram of the servo amplifier in Figure 1 to complete the wiring

Jumper description

If the user needs to change the input signal and output signal, it can be realized by toggling the S1 and S2 selection switches inside the module.

Signal		S1						S2									
	Signal	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
1	\pm 10V									1							
n	\pm 10mA										1						
р																	
u	4 \sim 20mA																
t																	
	\pm 5mA																$\sqrt{}$
0	\pm 10mA			$\sqrt{}$													$\sqrt{}$
u	\pm 20mA																$\sqrt{}$
t	\pm 40mA																$\sqrt{}$
р	\pm 50mA																$\sqrt{}$
u	\pm 100mA													V			√
t	\pm 200mA													V			√
	±10V	V															
Fl	Flutter enable														$\sqrt{}$		

Dimensions

Unit: mm

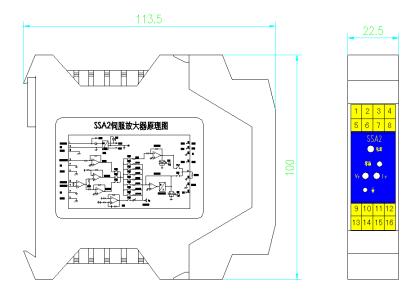


Figure 3 SSA2 Dimensions

Note:

-- It is recommended to use shielded wire, recommended specifications Germany ANYFLEX-PVC-CY-OZ/JZ-001PVCCY0070015

——Recommended cable length: The voltage signal is not greater than 20 meters; the current signal is not greater than 1000 meters.