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Features

PageAnalog amplifier for controlling proportional valves (pressure
and directional valves) without position control2- Differential input
22- Adjustable sensitivity and valve zero point

- Connection via 4-pole connector
- Operating voltage 12/24 V

Notice:

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3 4

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The photo is an example configuration. The delivered product differs from the figure.

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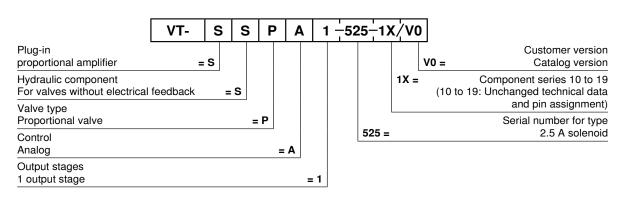
2/4 Bosch Rexroth AG | Hydraulics

IP

VT-SSPA1-525-1X/V0 | RE 30259/07.12

Ordering code

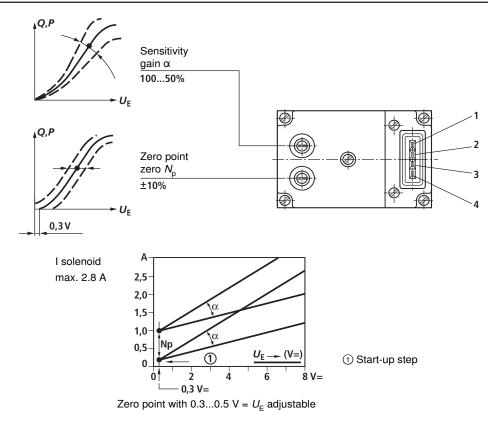
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Preferred types

Туре	Material number	For valves
VT-SSPA1-525-10/V0	0811405041	All proportional valves without position control
Connector socket 4-pole	1834484098	with solenoid 2.5 A/25 W

Adjustment, pin assignment



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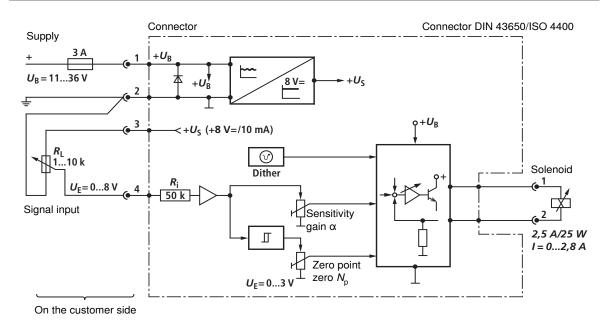


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Block diagram with pin assignment



Technical data (For applications outside these parameters, please consult us!)

Design:		Connector housing		
Plug-in connection		Solenoid: DIN 34650		
		Cable: 4-pole		
Ambient temperature	°C	-20+70		
Storage temperature min.	°C	-20		
Protection class		IP 65 including connector socket, cable Ø 68 mm		
Supply voltage		12 V/24 V battery voltage		
		(1136 V, <10% ripple)		
Max. power consumption	W	<30		
Input signal (command value)	V	0.38		
		< 0.3 V, solenoid de-energized		
Signal source		Potentiometer 110 kΩ		
		Supply +8 V from (3)		
Output proportional solenoid		Rectangular voltage, pulse-modulated		
		I _{max} = 2.5 A		
Cable lengths and cross-sections		Supply < 20 m 1.5 mm ²		
		2040 m 2.5 mm ²		
Special features		 Inputs and outputs short-circuit proof 		
		- Clocked output stage		
		- Fast energization for short actuating time		
Adjustment		1. Zero point		
via trimming potentiometer		2. Sensitivity		

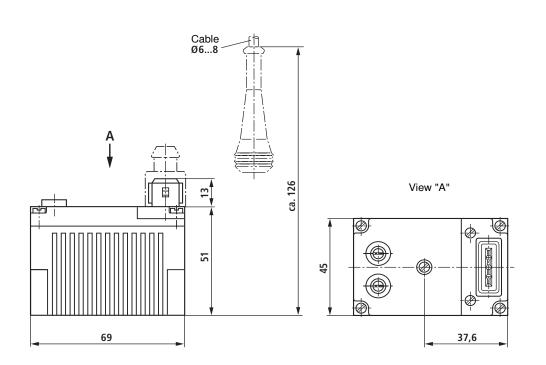
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Device dimensions (dimensions in mm)



Project planning / maintenance instructions / additional information

- The plug-in proportional amplifier may only be wired in de-energized condition.
- Do not lay lines close to power cables!
- The distance to aerial lines, radios, and radar systems has to be 1 m at least.
- To set the potentiometers and to check the current values, use the measuring adapter and measure the currents in a potential-free manner.
- The specified maximum solenoid currents must not be exceeded.
- Do not use solenoids with integrated free-wheeling diodes.
- The supply voltage is to be secured by means of a fuse see "Technical data".