

## Digital amplifier module SD7

The amplifier module SD7 serves as drive for proportional valves and (in the case of the 1-solenoid version) has one, or (in the case of the 2-solenoid version) two pulse-width-modulated current outputs with superimposed dither signal. Being able to be snapped on to top hat rails in accordance with EN 60715, it is excellently suitable for applications in the industrial field. The connections are made through practical terminal screws.

The 2-solenoid version can be utilised either for driving a 2-solenoid valve or for driving two independent 1-solenoid valves. By driving two 1-solenoid valves through a 2-solenoid amplifier module it is possible to save considerable costs in comparison with driving through two 1-solenoid amplifier modules.

Apart from the amplifier function, the SD7 as standard equipment contains a ramping function, which makes it possible to separately set two linear ramps for up and down for each solenoid output.

The command value can be applied as a voltage, current, PWM or frequency signal (as a PWM or frequency signal in the Enhanced version only). The amplifier module furthermore comprises two digital inputs and outputs.

The parameterisation takes place through the USB - interface by means of the menu-controlled parameterisation- and diagnostics software „PASO- SD7“ or else optionally by means of a hand control on the front panel.

The assignment of the inputs and outputs relative to one another is variable. This enables an optimum utilisation of the hardware present and guarantees a flexible adaptation to the application without any programming knowledge.

The changed parameters are stored in a non-volatile memory, so that they are available once more following a renewed switching-on of the control system.

Instead of an analogue interface, all types are also available with field-bus interface (Profibus DP, CANopen, J1939 or HART).

Apart from the 24VDC-version, a 12VDC-version is available.

The family of the digital amplifiers is complemented with a module by the digital amplifier module SD7, which is distinguished by its compact construction and by an excellent price-performance ratio.



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Oil-hydraulic control and closed circuit control equipment NG3 to NG10 (2/2-directional control built-in valves up to NG40); proportional control valves, incl. electronics; valves with integrated electronics; miniature hydraulics NG3 and NG4; poppet valves, flow in both directions; spool valves with minimum leakage rates; modular design technology with slip-on - / screw-in cartridges ISO 7789; feed systems; soft-switching valves; special surface protection; explosion-protected valves; drive units; hydraulic systems; special equipment for oil-hydraulics and other fluids.

Western - and Eastern Europe, North and South America, Asia, Oceania, Southern Africa