

Digital servo controller DSV 13X



The digital servo controllers DSV13x are designed for operation at low voltage (DC or AC) and perform dynamic current, speed and position control for both three phase synchronous motors and brush type DC- motors.

Operation is possible within a CAN open network, therefore the DSV13x provides the CiA device specifications DSP 402 V2.0 or through digital and analogue inputs and outputs. The integrated positioning capability offers point-to-point positioning functions with trapezoidal speed demand. Up to 16 different position targets can be stored in the device and addressed via BCD- coded digital inputs, while the DSV is driven by digital and analogue in-/outputs. The DSV's configuration is done via a clear and simple to use PC- software "DSerV".

Technical properties:

	DSV130	DSV132	DSV133
Input voltage	24 VDC	48 VDC	42 VAC
Rated current	40 A_{pk}	25 A_{pk}	8 A_{pk}
Peak current	80 A_{pk}	50 A_{pk}	20 A_{pk}
Rated power	580 W	770 W	320 W
Dimensions	36 x 182 x 171 mm³ without mounting straps		

DC-motor and 3 phase synchronous motor operation

Point-to-point positioning capability

CAN open

Internal ballast circuit

Parking brake output

10bit resolver interface

Configurable incremental interface

DC-motor operation with BEMF-IxR, tacho or incremental feedback

configurable digital/analogue inputs/outputs

Simple parameter setting with DSerV

parameterisation software via RS232

Short circuit proof power section