Digital servo controller DSV 11x

The digital servo controllers DSV11x are designed for operation at low voltage (DC) and perform dynamic current, speed and position control for both three phase synchronous motors and brush type DC- motors. Operation is possible within a CANopen network, therefor the DSV13x provides the CiA device specification DSP 402 V2.0 or through its digital and analogue inputs and outputs. The integrated positioning capability offers point-to-point positioning functions in CANopen operation. The DSV´s configuration is done via a free, clear and simple to use PC- software "DSerV". Resolver or linear hallsensor signals are supported for operation with brushless synchronous motors.
BEMF with IxR compensation, incremental encoder or analogue tacho signals are the supported modes for operation with brush type DC-motors.

Technical properties:

	DSV 110	DSV 112
Input voltage	**20 ... 60 V_{DC}**	
Rated current	**5,0 A**	**15,0 A**
Peak current	**12,5 A**	**37,5 A**
Rated power (48V)	**165 W**	**475 W**
Dimensions	**30 x 180 x 100 mm^3**	

Support of synchronous (BL) motors or brush type DC-motors
DC-motor operation speed feedback via tachometer, incremental encoder or BEMF with IxR
10 Bit resolver interface, linear hallsystem interface
Wide input voltage range of 20...60 VDC
2.5x rated current as peak current is available (max. 3 sec)
CANopen interface
Configurable incremental interface
Easy configuration via DSerV
Housed design in IP20