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Find the *Danaher Motion / Kollmorgen CP303260* at our website: *Click HERE*

SERVOSTAR™SP Power Block for PMAC2

Description

The SERVOSTAR™ SP Power Block is designed to interface to the Delta Tau PMAC2 motion controller, where the PMAC is generating PWM signals. The smart power stage is available in four power ratings, with the 3 and 6 amp model providing a 1:3 ratio of continuous to peak current, 10 and 20 Amp model providing a 1:2 ratio of continuous to peak current. The intelligent interface card features extensive protection mechanisms, over-current protection, drive over-temperature indications, and over- and under-voltage protection. A 7-segment display shows faults.



- 3, 6, 10, 20 Amps continuous current
- Direct digital PWM inputs from the PMAC-2
- Optional 24VDC input, to separate logic power from main power
- PWM switching frequency up to 15/7kHz
- Mini D type connector for direct connection to PMAC2
- Serial digital current feedback from U & V phases

Power Block Ratings

Identification	Output Continuous Current per phase (RMS/phase)@ 45˚C	Output Peak Current per phase (RMS/phase) @ 45˚C	AC Line Input Voltage	DC Bus Voltage VDC (nominal)
CP3032x0	3 Amps	9 Amps (0.5 Sec)	115 - 1phase	160
			230 - 1phase	320
			*3 phase, VAC_{L-L} 190-230	270-320
CP3062x0	6 Amps	18 Amps (0.5 Sec)	115 - 1phase	160
			230 - 1 phase	320
			*3 phase, VAC_{L-L} 190-230	270-320
CP3102x0	10 Amps	20 Amps (2 sec)	*3 phase, VAC_{L-L} 190-230	270-320
CP320260	20 Amps	40 Amps (2 sec)	*3 phase, VAC_{L-L} 190-230	270-320

*3 phase, 190 VAC_{L-L} is 3 Phase, 110V per phase

Solutions by DANAHER MOTION

KOLLMORGEN

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Features

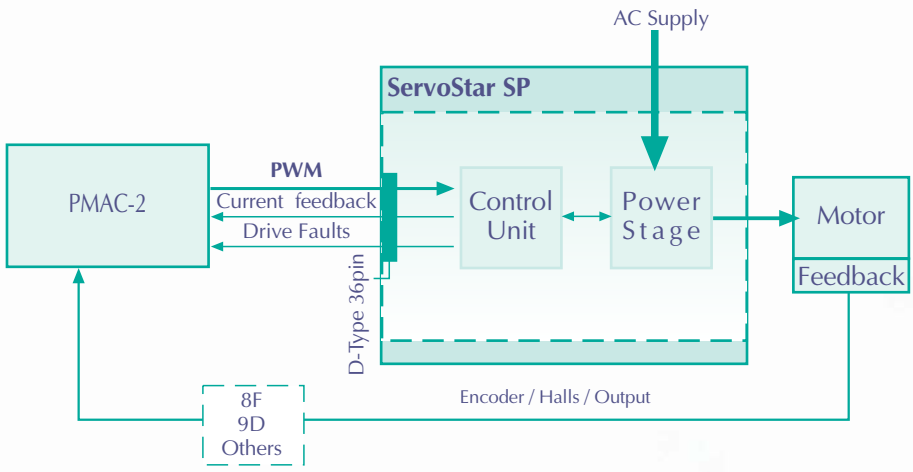
Rugged Power Stage

At the heart of the SP is a rugged SERVOSTAR™ CD based power stage featuring:

- Fully isolated electronics
- Self-protection for over voltage, under voltage, over temperature, short circuit, excessive switching frequencies, and cross firing
- Internal dead-time protection.
- Can be used with the Kollmorgen ERH-26 Regeneration Resistor as an option.

Options to suit your needs

The Power Block drive SERVOSTAR™ SP interfaces to the PMAC2 via a standard mini D 36 pin cable. The SP receives PWM commands, and returns current measurement and fault indications to the controller.
Feedback device interface via an external 8F, 9D or other electronic board.



Ordering Information

The SERVOSTAR™ SP model number is built as follows:

CP3 03 25 0

25: logic power generated internally available for 03, 06,10 Amp.
26: 24V external logic power

03: 3 Amp. continuous; 9 Amp. peak
06: 6 Amp. continuous; 18 Amp. peak
10: 10 Amp. continuous; 20 Amp. peak
20: 20 Amp. continuous; 40 Amp. peak

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