

MSD SERVO DRIVE COMPACT

Modular high performance design for easy installation



Based on a modular concept with multiple sizes and options, the MSD Servo Drive Compact Series enables a side-by-side mounting without any clearance, saving valuable space in the cabinet.

For easier integration into the machine process, the MSD Servo Drive Compact supports simultaneous feedback sensors and multiple fieldbuses. All interfaces have simple connectors for easy plug and play installation.

Most importantly, the MSD Servo Drive Compact Series is flexible and can be used either in high speed fieldbus communication with the central machine controller or as programmable motion control intelligence in the drive controller for a distributed architecture.

As a part of the Modular Multi-Axis Servo Drive System (MSD), the Moog Servo Drive Compact Series is designed to meet the challenges of performance-driven machine builders in a variety of industries.

FEATURES AND BENEFITS

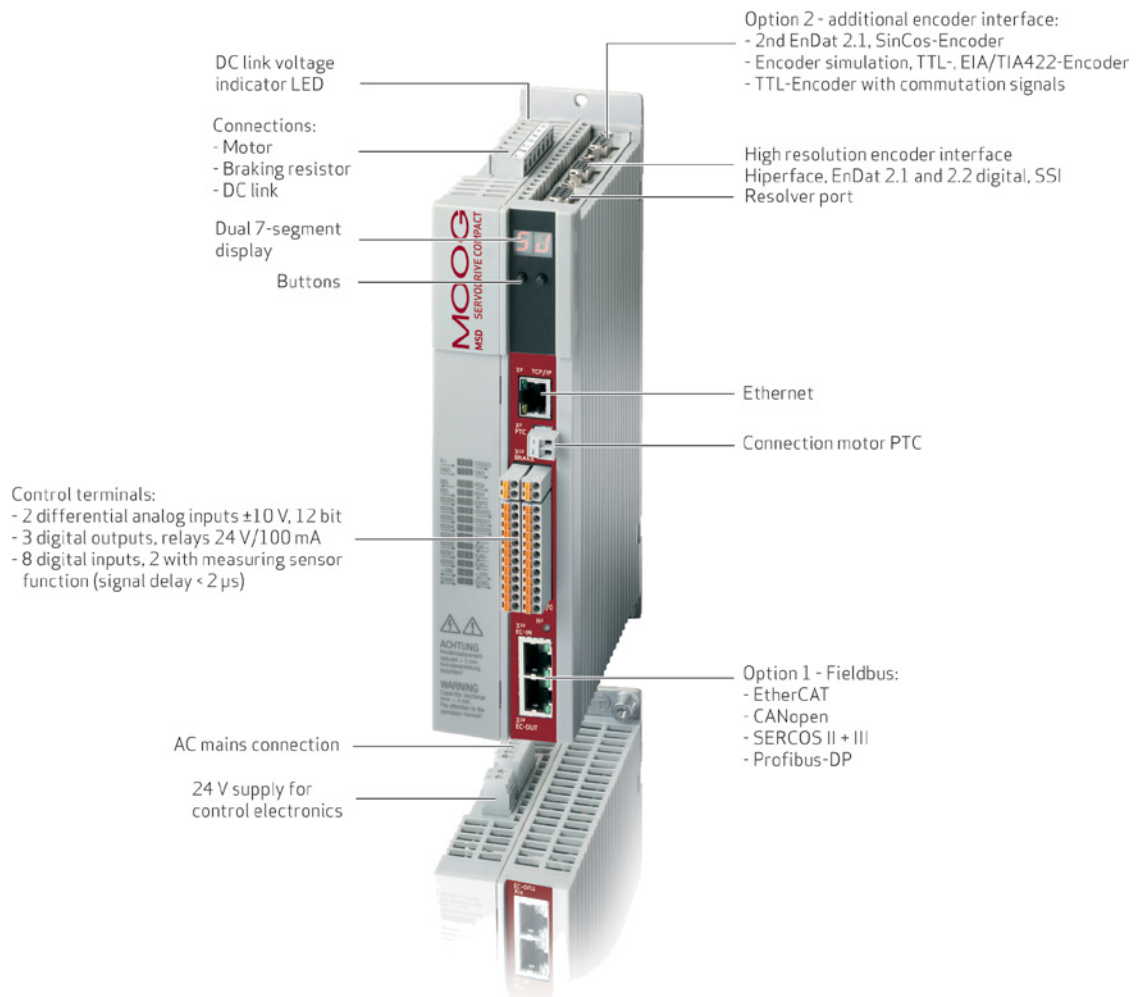
- Fast control loop update for highest performance
- Large range of mains voltages and rated currents for high efficiency of the system
- Support of simultaneous feedback sensors for universal use
- Book-form factor - 4 sizes optimized for easy installation
- Availability of multiple fieldbuses to support existing systems
- Built in functional security as per EN 61508/EN 62061 SIL 32, EN ISO 13849-1 PL d, EN 61800-5-2, EN 954-1 category 3
- Internal PLC
- 24 V motor brake interface with fault monitoring (open circuit and short circuit)
- Compatible with the existing MSD Servo Drives Series



APPLICATIONS

- General industrial machinery

SPECIFICATIONS



TECHNICAL DATA

Rated voltage	1 x 230 V/3 x 230 V			3 x 400 V (3 x 460 V/3 x 480 V refer to catalog)			
Size	C2	C3	C4	C2	C3	C4	C5
Continuous current [A_{eff}] effective at 8 kHz PWM	3.0	5.9	8.0	2.0	3.5	6.5	12.0/ 16.0
Over current [A_{eff}] for 10 s at 8 kHz PWM	6.0	11.8	16.0	4.0	7.0	13.0	24.0/ 32.0
Peak current [A_{eff}] for 0.08 s at 4 kHz PWM	9.0	17.7	24.0	6.0	10.5	19.5	39.0/ 60.0
Certification	CE conformity, UL certification, EMV approvals, STO approvals						
Dimensions W x H x D [mm (in)] without connector	55 x 210 x 142 (2.2 x 8.3 x 5.6)	55 x 210 x 189 (2.2 x 8.3 x 7.4)	55 x 290 x 235.5 (2.2 x 11.4 x 9.3)	55 x 210 x 142 (2.2 x 8.3 x 5.6)	55 x 210 x 189 (2.2 x 8.3 x 7.4)	55 x 290 x 235.5 (2.2 x 11.4 x 9.3)	90 x 291 x 235.5 (3.5 x 11.5 x 9.3)

Please refer to the MSD Servo Drive catalog CDL29950 for more technical details and ordering information.

Moog has offices around the world. For more information or the office nearest you, contact us online.

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MSD Servo Drive Compact
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For product information, visit

www.moog.com/industrial

For service information, visit

www.moogglobalsupport.com

This technical data is based on current available information and is subject to change at any time. Specifications for specific systems or applications may vary.

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