

Servo drives



VLT® Integrated Servo Drive ISD® 510



VLT® Decentral Servo Drive DSD 510

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This servo drive system is ideal for demanding applications in the food, beverage, pharmaceutical and packaging industries.

Simple and fast

Installation is simple and fast, with pre-configured hybrid cables in a daisy-chain concept. The servo system comprises VLT® Servo Access Box (SAB®), central power supply, decentral drive modules and cabling infrastructure. Depending on the application, the SAB® can power up to 64 drives in a servo drive system.

Highly flexible

Decentral motion sequences enable scaling of the system size independently of the controller. Program the master via IEC 61131-3.

Torque range

565–680 V DC $\pm 10\%$nom. 1.5-13 Nm
/max 6.1-50 Nm

VLT® Decentral Servo Drive DSD 510

VLT® Decentral Servo Drive DSD 510 extends the selection of a decentral servo drive concept for food, beverage, and packaging industries.

PM servo-motor-compatible

The DSD 510 can be used with a wide range of PM servo motors, and for optimal control of speed and position, it is equipped with a wide range of feedback encoders.

Vibration resistant

It also has excellent vibration resistance, making it ideal for rotating machine parts.

Power range

565–680 V DC $\pm 10\%$4.5 kW

Fieldbus

ECAT	PL	PN
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Enclosure

*shaft IP65

IP00	IP20	IP21/Type 1
IP54/Type 12	IP55/Type 12	IP67*

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