LAM Technologies electronic equipment — CiA member

DDS6

CANopen

The DDS6 series drives are realized in full digital technology and are suitable for the driving of two phases stepper motors.

They are equipped with fieldbus in standard CANopen and can control the motor in torque, speed and position with high accuracy.

In addition to the digital and analog I/O they are provided with inputs for incremental and absolute encoders.

The integrated protections and the isolation of the fieldbus and I/O ensure high reliability. The detailed diagnostics information and the permanent storage of the errors facilitate the detection and resolution of the problems.

The family develops in 20 different models for different functionality and power.

Family Development

Power Supply / Motore Current 24Vdc Auxiliary Power Supply	CANopen DS301 Rev. 3.0 and IEC 61800-7-201/301(DSP402)		
	Digital I/O	Digital and Analog I/O ABZ Encoder	Digital and Analog I/O ABZ Encoder Absolute Encoder
20..50Vdc / 0.2..1.4Arms	DDS6041	DDS6241	DDS6441
20..50Vdc / 1.0..4.5Arms	DDS6044	DDS6244	DDS6444
20..50Vdc / 2.0..10.0Arms	DDS6048	DDS6248	DDS6448
24..90Vdc / 1.0..4.5Arms	DDS6074	DDS6274	DDS6474
24..90Vdc / 2.0..10.0Arms	DDS6078	DDS6278	DDS6478

The DDS6 series drives integrate the state of the art technology result of more than 26 years of experience. The motor is vector controlled that makes obsolete the concept of step division. The STEPLESS operation mode ensures high speed and maximum torque use. With a motor provided with encoders it is possible to use the stepper technology also in applications that require torque control. In the end, the fieldbus in standard CANopen ensures an efficient and quick integration into the modern automation systems.

The compact size and the quick DIN rail mounting give additional advantages that, together with the competitive cost make the DD6 series drives the best choice for any modern application.

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