

LSC 4-Q-DC Servoamplifier



The LSC 30/2 (Linear Servo Controller) is a linear 4-Quadrant Servoamplifier used to control DC motors up to approx. 50 watts that are powered by permanent magnets.

4-Q operation

Controlled operation for acceleration and braking in both directions

Linear power stage

Ideally suited for small outputs power, low electromagnetic emission, no motor choke required

Operating modes

Voltage regulator, IxR compensation, encoder speed control, DC tachometer speed control or current control with a switch adjustable from outside

Design

Robust metal housing with variable installation options on assembly plate or 19" rack and small dimensions

Set value input

Via external potentiometer, external set value voltage or using internal potentiometer

Easy start-up procedure

Separable screw terminals, simple set-up with potentiometer, robust designed PI controller

Excellent price / performance ratio

Good value 4-Q-DC servoamplifier matched with small permanently magnet DC motors.

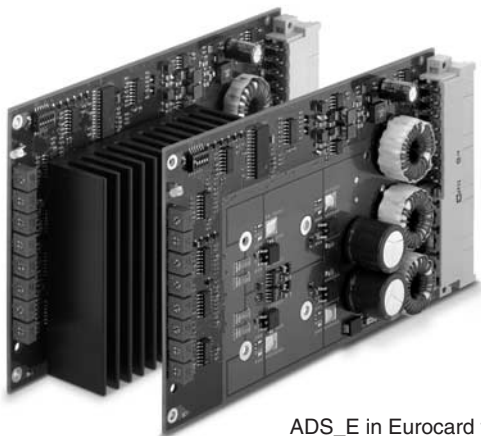
Technical data page 268

Dimensions and terminal layout page 270

ADS 4-Q-DC Servoamplifier



ADS in module housing



ADS_E in Eurocard format

The ADS is a powerful pulse-width modulated (PWM) servoamplifier for controlling permanent magnet-activated DC motors. Standard Version from 10 - 250 watts and Power Version from 80 - 500 watts output power. Available in robust metallic housing and as Eurocard version for installation into a 19" rack.

Technical data page 268 / 269

Dimensions and terminal layout page 270

Pulsed output stage

Suitable for controlling low and high output power. 95% efficiency thanks to state-of-the-art MOSFET technology

Operating modes

IxR compensation, encoder speed control, DC tachometer speed control or current control with a switch adjustable from outside

Design

- Robust metal housing in module form offers several mounting options
- Standardized Eurocard version (with accessories) for the installation in a 19"-Rack or in a plug-in card system

Excellent control characteristics

Stable speed behaviour at set-value and load variations – fast current controller

Protection circuit

Protected against over current, overheating and short-circuit of motor cable

Set value input

Set value by an external potentiometer or with using external reference control voltage

Excellent price / performance ratio

Modern servoamplifier with many technical features, suitable for motors up to 500 watts

