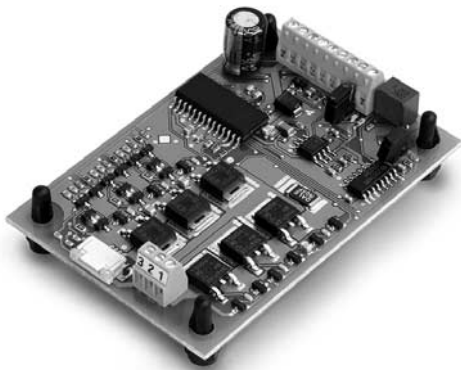


AECS 35/3 sensorless 1-Q-EC Amplifier



Sensorless

The current rotor position is evaluated by using the back-EMF sensing technique

Operating modes

Simple speed control or only commutation (motor speed is determined by supply voltage and load) can be selected with built-in jumper.

Flexible

Wide input voltage range 8 - 35 VDC. Screw terminals and a flex print connector compatible with maxon flat motors are available for the motor connection.

Small design

Open and compact electronics board. Easy mounting with hexagonal distance pins with inside thread.

Significant functionality

Direction can be set with a logic signal. Motor shaft can be disabled or slowed down as required. The fixed current limiting is set to max. 5A. The motor speed can be controlled if required by the built-in potentiometer or with an external analogue set value.

The AECS (Analogue EC Controller Sensorless) is a 1-Quadrant EC amplifier for controlling EC motors with a maximum output of 120 watts. Rotor position sensors (Hall sensors) are not required.

Technical data page 276

Dimensions and terminal layout page 280

DEC 24/1 1-Q-EC Amplifier

DIGITAL



Operating modes

Digital speed control or open loop speed control operation can be selected with a built-in jumper

Small design

Open and compact electronics board. Easy mounting with hexagonal distance pins with inside thread

Flexible

Wide input voltage range 5 -24 VDC.

A range of adapter boards allows the use of different maxon micro motors

All-round functionality

Direction can be predetermined with a logic signal. Motor shaft can be disabled or slowed down as required. Adjustable maximum current limitation. Status indicator with green LED

Flexible set value input

Set value input either through internal potentiometer or external, analogue voltage. Different speed ranges can be selected using built-in jumpers

The DEC 24/1 (Digital EC Controller) is a 1-Quadrant amplifier for controlling EC motors with Hall sensors with a maximum output of 24 watts.

Technical data page 276

Dimensions and terminal layout page 280