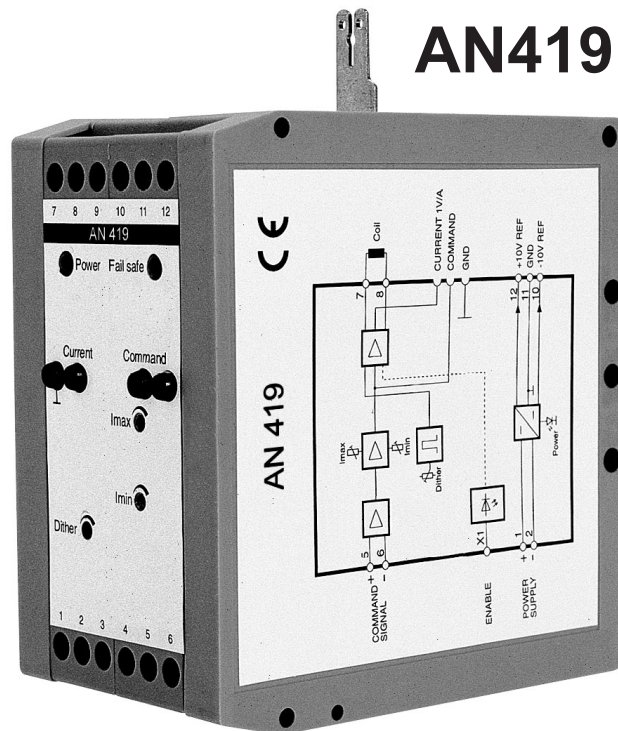


AN419 Servo Amplifier



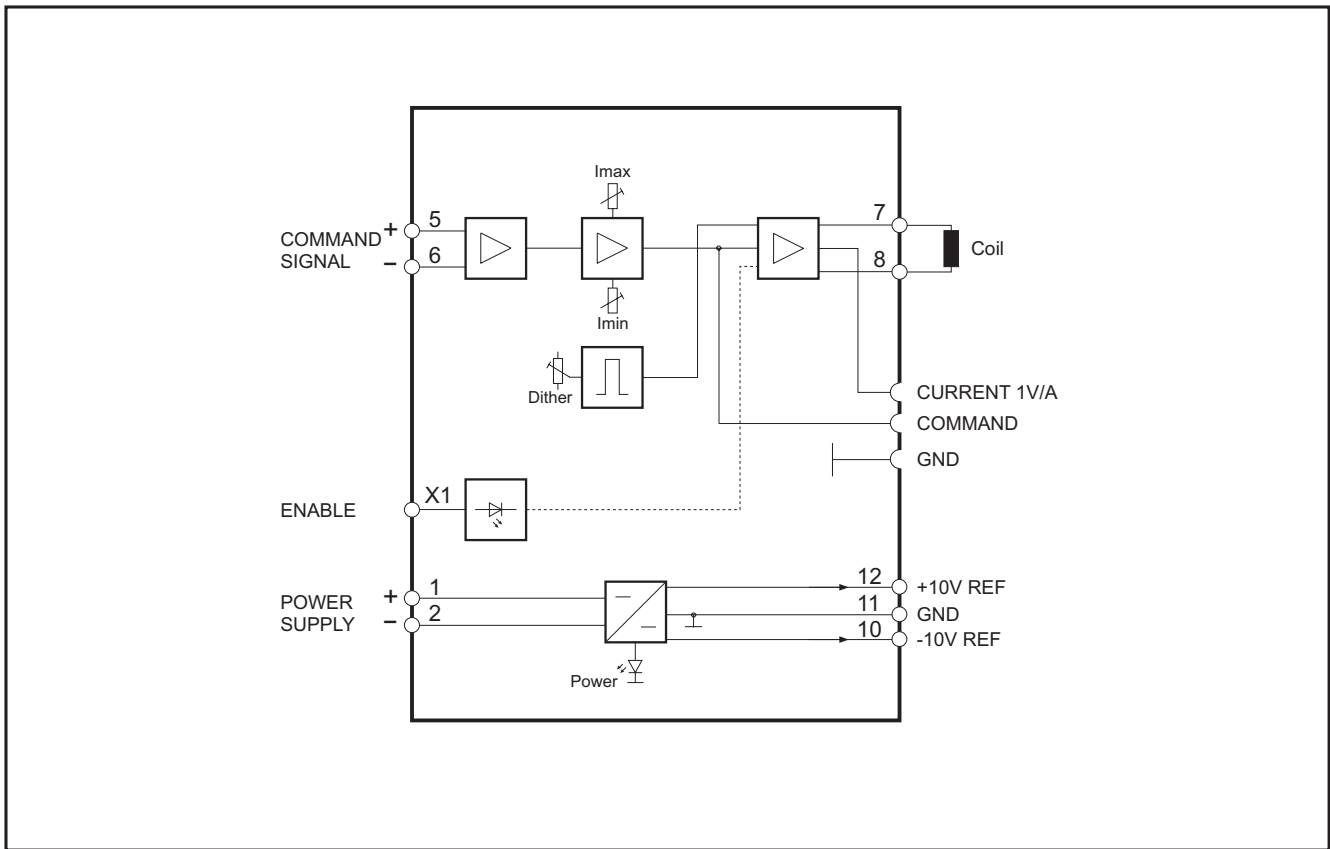
The AN419 servo amplifier module is intended for the control of single magnet proportional valves.

The snap-on housing enables the AN419 module to be mounted on normal carrier rails in control cabinets. The electrical connections are via a terminal strip and a flat connector (enable input).

The output stage is a duplex output stage with high-dynamic response and rapid de-excitation. These design features ensure rapid switch-off of the magnet coil (approx. 4...6 ms).

Multi-turn resistors allow the adjustment of volumetric flow amplification, pressure amplification and Imin jump.

AN419 Servo Amplifier



Technical data:

Supply voltage 24V DC (22...32 V DC)

Measuring sockets

Current: valve current: 1V/A (10%)
Command: setpoint signal (0...10V)

Auxiliary voltages To supply an external setpoint potentiometer:
+10V, max. 10mA
-10V, max. 10mA

Multi-turn resistors

I_{max}: adjustable for magnet coil A
I_{min}: adjustable for magnet coil A, up to 50% of I_{max}

Temperature range 0 - 50 °C

Output stage Duplex output stage with high dynamic response and rapid de-excitation (approx. 4...6 ms)

Output current according to version 0... 800mA
0...1600mA
0...2500mA

PWM frequency Approx. 5kHz

Inputs Various input modules are available:
0...10V (differential input)
4...20mA (differential input)

Enable Input +24V, indication via 'Fail safe' LED