



Controller M3301

Constant current controller for
Magnetic powder-clutches and –brakes

Magnetic powder- clutches and –brakes, which are fed by the Controller M3301, do not show a change of the torque by heating.

Application:

- Tension brake / winding up
- Torque control
- Torque limiting
- Speed control
- Coupling operation
- Starting control

Option PID-regulator Z4 for:

- Tension control
- Breaking force control
- Torque measuring
- Dancer position control



Controller M3301 with optional PID-regulator Z4

Construction of device:

Plastic case IP20, mounting width 45mm for DIN mounting rail

- Net potential-free
- Current output max. **1A**
- Output voltage max. 33V DC
- Voltage supply **24V DC, 1,3A**
- Control inhibit (RSP)
- Set point voltage 0-10V DC
- Set point integrator +/- adjustable
- add-on Set point input 0-10V DC
- min. / max. Current limit adjustable
- quick-stop-function
- Remanence compensation
- Thermal link via external Sensor
- potential-free thermal relay contact (NC/NO)
- LED-display On/Off, control inhibit, quick stop and thermal link

Alternative design:

1. Plastic case IP20 for wall mounting on DIN mounting rail (111x 45mm) IP20
2. Compact design with transparent cover IP54, connection via terminal strip
3. Steel housing IP54, connection via terminal strip

More Options:

1. PID-regulator **Z4** with ammeter for tension-/ pressure-/ dancer regulation
2. thermal sensor