



Controller M301

Constant current controller for magnetic powder clutches / brakes

Magnetic powder clutches / brakes, which are fed by the controller M301, do not show a change of the torque by heating.

Application:

- tension brake / wind up
- torque control
- torque limiting
- speed control
- coupling operation
- starting control

Programming via option „Z2“:

- tension control
- breaking force measuring
- torque measuring
- dancer position control

Construction of the device:

plug in card / Europe card with front panel for 19 inch rack, 3U / 14HP

- network potential free
- current output max. **1A**
- output voltage max. **24 VDC**
- voltage supply 24 VDC or 24 VAC, 50-60 Hz
- via isolation transformer 230 V/24 VAC / 50-60 Hz, 63VA (option)
- regulating lock
- set point voltage 0-10 VDC
- set point integrator +/- adjustable
- add-on set point input 0-10 VDC
- min/max current limit adjustable
- fast-stop-function
- friction compensation adjustable
- thermal links via external sensor
- potential free thermal relay contact (opener/ closer)
- display for RSP, thermal link, on/off and fast-stop

OPTIONS

- Plug board bracket DIN 41612
- digital amperemeter (LC-Display) in the front panel
- Isolation transformer 230 V/24 VAC 50/60 Hz with primary fuse
- Operating panel, 3U / 14HP, with potentiometer/switch/indicator lamp
- tension regulator “Z2” for tension-/pressure-/dancer regulation

Design Controller M301:

- plug in card (Europe card, 160x100 mm), IP00
- wall mounting on DIN mounting rail, IP20, connection via terminal strip
- in wall case IP 54 with digital amperemeter, with front panel, isolation transformer, connection via terminal strip

