



Controller M2302

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:

casing IP 20 with front panel for 19 inch rack, 3U / 21HP
wall mounting on DIN mounting rail
in wall case IP 54

- network potential free
- current output max. **2A**
- output voltage max. **42 VDC**
- voltage supply 230 VAC / 50-60 Hz
- 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 adjustable
- friction compensation adjustable
- thermal links via external sensor
- potential free thermal relay contact (NC/NO)
- display for RSP, thermal link, on/off and fast-stop

OPTIONS

- Operating panel, 3U / 14HP, with potentiometer/switch/indicator lamp
- tension regulator “**Z2**” for tension-/pressure-/dancer regulation

