

SMC-Extension PCB 14.5

Extension of an inexpensive sewing machine motor with an additional control for easy switching on/off, changing the direction of rotation and controlling the speed.



An EDM300 lathe is intended for installation in the control housing.



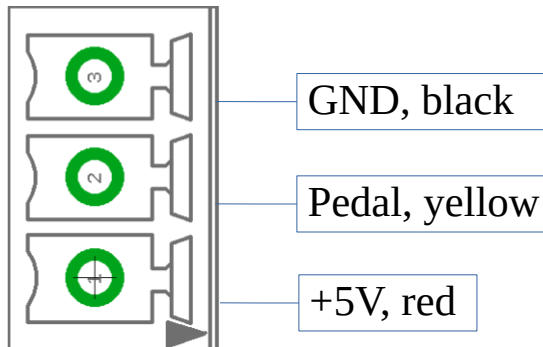
Sample front panel on the lathe



plug assignment

Pedalcable connector J9

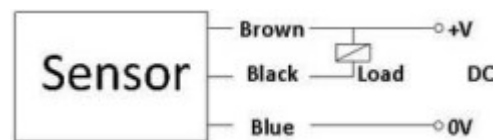
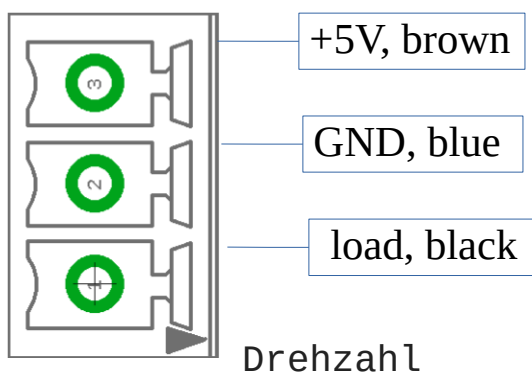
use original cable from controller



RPM sensor cable

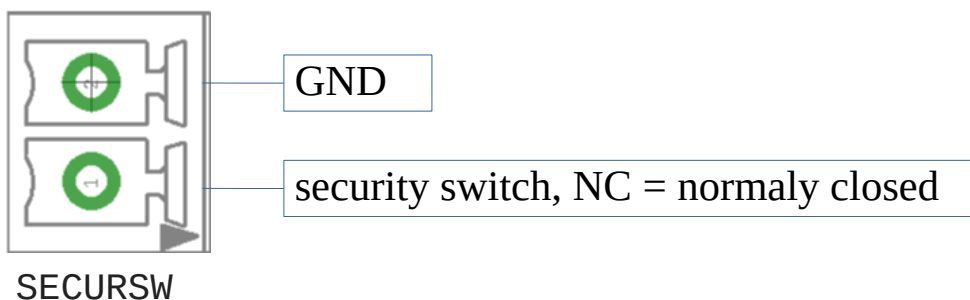
use optical or hall effect sensor

e.g. NJK-5001C, hall effect sensor NPN, 8mm



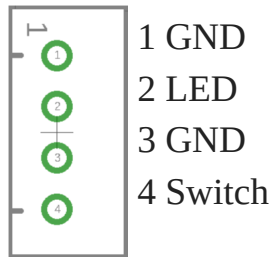
Security switch

If motor is running and the security switch is opened, the motor stops immediately (hard stop).



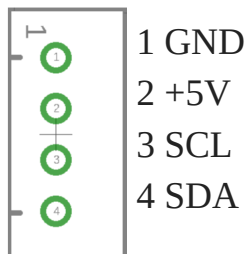
Led + Switch Connector

use 5V Leds !

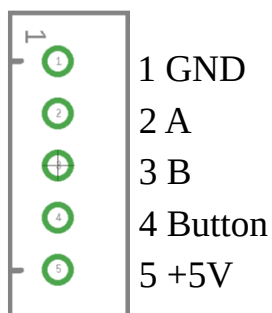


OLED Display

There are different displays on the market, the pin assignment +5V and GND can be rotated, check it before power on.



Rotary Encoder



Temperature sensor DS18B20

