OVERVIEW

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V1.25
DIN A2

The current and voltage depends on the motor drivers, motors and other devices you want to use.

Z Y X

P N 220V / 110V

Solid State Ralais

Milling Motor

1 220V / 110V

12V 1A

Power filter

P

Spindle

manual

1 2

on / off

Speed

10k Ω

If you do not need the manual spindle control, connect light blue (1) to green (2).

Dashed cables optional for manual Spindle control.

Inverter

Working with 110 or 220 volts is life-threatening ! Please have the work carried out by a specialist.

HY01D523B

Reset

Analogue Joy stick

GND 5V X Y Z

Select Joystick via SUB-D 25 or old (default) output.

AC-CNC2019-1D-Mega
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R1.20

N P L
Solid State Ralais
220V / 110V
Vacuum cleaner

Solid State Ralais
220V / 110V
L P N
Water cooling

220 Ohm

Monitor the status of your limit switches.

HF-Spindle

Sensor

P N 220V / 110V
Solid State Ralais
Spindel
Water Pump for HF-Spindle

Tip!
For an 800W spindle 12 litres of cooling water are usually Sufficient. Take a bucket of distilled water and put an oldcopper plate in the bucket, so no algae will form, in the transparent cooling hose.

Tip!
Jog Wheel / Manual control Connection, with or without Joystick. Have a look at the other PDF files for more info.

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Start Program Stop

PNP Sensor NC or NO

SIG 6V

GND

X1 Y1 Z1

NO connection, the next page shows NC connection.

Mechanical Sensor
- **N**ormally **C**losed

Tip!
Look in our shop, the switches we sell you are very accurate.

X1 Y1 Z1

Speed- & Feed override
If you're using a jog wheel, you can't connect that.

SPEED FEED

The data serve as an example.
- Version: Mono
- Resistance: 10k Ohm
- Structure: linear
- Rotation angle: 280° or greater
- Nominal voltage: from 5VDC
- Nominal voltage: from 5VAC

Tip!
If the direction of rotation is not correct you can change the blue cable with the black cable.

EMERGENCY STOP

L N

Attention !!
Please consider that the Nano, the control card or the software could fail, therefore the emergency stop is mounted in front of all other devices and switches off the whole machine.

We assume no warranty for damages that may occur if you work according to these instructions. You are responsible for connecting all components correctly !

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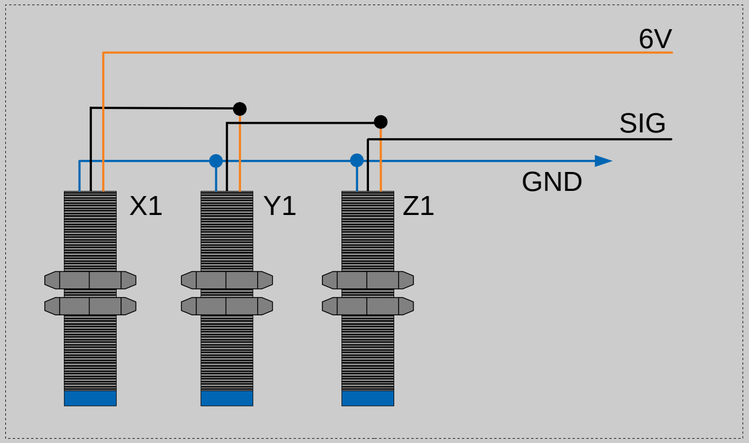
V1.25
DIN A2

PNP Sensor NC



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