title : Electronic diagram `Humidistat v1` author: Dennis van Gils _18 mA : https://github.com/Dennis-van-Gils/project-Humidistat date : 10-12-2021 220 VAC MS aquarium air pump 220 VAC, 4 W, 100 I/h 24 VDC PSU Oase OxyMax 100 max 0.75 A Europlug wall socket XP POWER VEL18US240-EU-JA Europlug Europlug receptacle MAX DRAW 40 W, 190 mA !!! PC - Python enclosure fast-acting fuse 220 VAC 200 mA EATON BUSSMANN HHT PSU GND 10 mA SS relay **3**V3 GND (μUSB solenoid valve RESET BME280 0x76 NO, 24 VDC, 3 W GND SMC VDW20GA Pimoroni PIM472 13 mA AREF PVT312 PSU 24V Adafruit SS relay Feather valve #1 🔘 M4 Express -^// PSU 24V gas in out D13 PSU 24V Adafruit #3857 D12 $330\,\Omega$ valve #1 🔾 white -^// D11 valve #2 O blue GND SCK D10 330 Ω Infineon MOSI PVT312 PSU GND MISO BME280 0x77 RX_D0 solenoid valve D5 Pimoroni PIM472 SS relay SCL TX_D1 NO, 24 VDC, 3 W SMC VDW20GA SDA $330\,\Omega$ #2 GND 🔵 Terminal Block Breakout FeatherWing Adafruit #2926 valve #2 **3**V3 PVT312 gas in black 4 **GND**