title : Electronic diagram `Humidity controller` author: Dennis van Gils _18 mA : https://github.com/Dennis-van-Gils/project-humidity-controller url date : 10-12-2021 220 VAC MS aquarium air pump 220 VAC, 4 W, 100 l/h 24 VDC PSU Oase OxyMax 100 Europlug max 0.75 A wall socket XP POWER VEL18US240-EU-JA Europlug Europlug receptacle MAX DRAW 40 W, 190 mA !!! PC - Python barrel conn. enclosure fast-acting fuse 220 VAC 200 mA EATON BUSSMANN HHT PSU GND 10 mA SS relay **3**V3 GND (μUSB solenoid valve RESET NO, 24 VDC, 3 W BME280 0x76 GND SMC VDW20GA Pimoroni PIM472 13 mA AREF PVT312 → 2-6V ← SDA ← SCL ← NC ← GND PSU 24V Adafruit SS relay Feather M4 Express valve #1 🔘 -^// gas in out PSU 24V D13 Adafruit #3857 D12 330 Ω valve #1 🔾 blue white -^// D11 valve #2 🔾 GND SCK D10 330 Ω Infineon MOSI D9 PVT312 PSU GND MISO BME280 0x77 RX D0 D5 solenoid valve Pimoroni PIM472 SS relay TX_D1 SCL NO, 24 VDC, 3 W SMC VDW20GA SDA $330\,\Omega$ #2 Terminal Block Breakout FeatherWing GND 💮 Adafruit #2926 valve #2 **3**V3 PVT312 gas in black 4 **GND**