

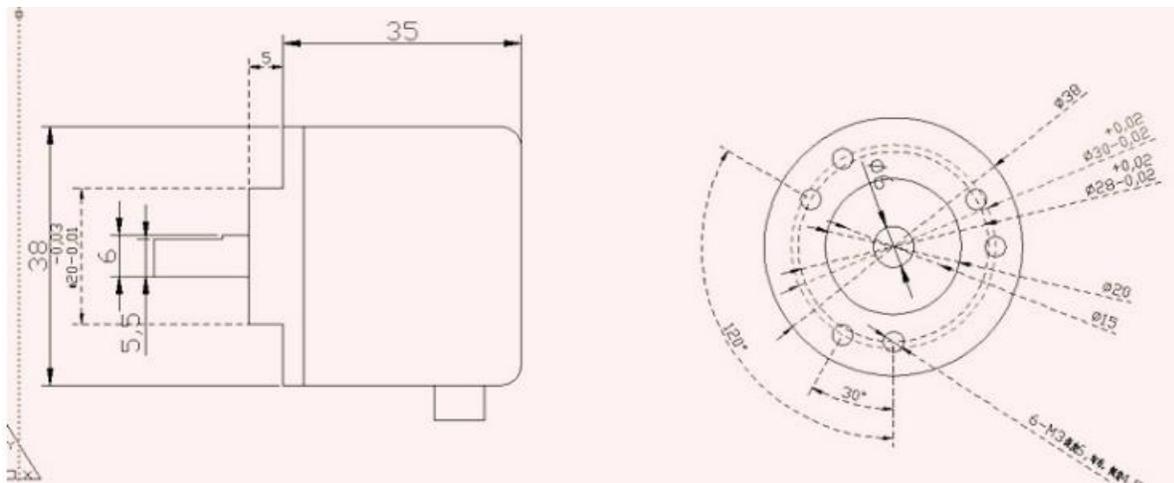
OPTICAL ROTARY ENCODER 400 PULSE

Model: HN3806-AB-400N



Features:

- AB two-phase, pulse signal generation count can be identified by the rotation direction of the grating disk and optocoupler.
- Performance: 400 Pulse per Revolution
- DC5-24V wide supply voltage
- Maximum mechanical speed: 6300 rev/min
- Dimensions:
 - The encoder body size: $\phi 38\text{mm}$;
 - Shaft: $\phi 6 \times 16\text{mm}$;
 - Axis platform: high 5mm, $\phi 20\text{mm}$;
 - Fixing hole: M3 screws,
 - Three mounting holes on the circle 30 and the other three mounting holes in the 28th round; side of the outlet.



Output:

AB two-phase quadrature output rectangular pulse, the circuit output is NPN open collector output type, the output of this type can with internal pull-up resistor be directly connected to the microcontroller or PLC, such as 51 single or Mitsubishi PLC (the PLC input should switch to the 0V work). Note: if the encoder is not connected to the device it cannot be directly connected to oscilloscope (open collector output when there is no pull-up resistor, there is no voltage output), to connect to oscilloscope add two pull-up resistor AB two-phase output.

Application:

Used to measure the rotation speed of the object, angle, acceleration and length measurements. Suitable for all kinds of intelligent control displacement measurement, automatic fixed-length leather guillotine machines, steel cutting length controller, human height scale, students racing robots.

Connection:

- Red: VCC
- Black: GND (0V)
- White: Phase A
- Green: Phase B

Note: AB two-phase output must not be directly connected to VCC, otherwise, they will burn the output transistor.

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