

# DATASHEET

## ORANGE OPTICAL ROTARY ENCODER



### Wiring:

Green = A phase

White = B phase

Red = Vcc positive power supply

Black = Vo (Ground)

Another metal shielding layer interference.

### Output:

AB two-phase quadrature output rectangular pulse, the circuit output is NPN open collector output type

This type can be output with internal pull-up resistor available in Arduino, microcontrollers or PLC, such as Atmega, pic, 51 or microcontroller Mitsubishi PLC.

If Internal Pullup is not available, then you need to Pullup Output Channel A & B with resistors supplied with product. i.e. resistor between Green and RED, White and RED wire.

**MODEL: 400P/R**  
**INCREMENTAL ROTARY**  
**ENCODER, AB TWO-PHASE**

**WORKING VOLTAGE: 5-24V**

**MAXIMUM MECHANICAL**  
**SPEED: 5000 REV / MINUTE**

**ENCODER BODY SIZE:**  
**38MM**

**SHAFT: Ø6 X 13MM**

**AXIS PLATFORM: HIGH-**  
**5MM Ø 20 MM**

**OUTPUT: THE OUTPUT**  
**CIRCUIT NPN OPEN**  
**COLLECTOR OUTPUT TYPE**

**OPERATING**  
**TEMPERATURE: -25~105°C**

**ADVANTAGE1: BRAND NEW**  
**100% HIGH QUALITY**

**ADVANTAGE2: LONG LIFE**  
**LOW ESR**

**ADVANTAGE3: CE, ROHS**  
**AUTHENTICATION**

**PROTECTION: IP50**



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