



**ELECTRICAL SPEC.**

Detection System	Absolute 絕對值型
Output Code 輸出碼值	Gray Code
Standard Number of Pulse Per Revolution 解析	256, 1024
Electronics 電路特性	NPN Voltage 電壓型, NPN Open Collector 電流型
Power Supply 供應電源	DC 10~26V, DC 5V fixed
Current Consumption 消耗電流	≤ 70 mA
Logic 邏輯	Negative Logic (H=0, L=1) 負理論輸出
Max. Response 最大響應頻率	10K Hz

**MECHANICAL SPEC.**

Shaft Diameter 軸徑	8 mm
Shaft Loading 軸荷重	Axial 軸向: 1 Kg, Radial 徑向: 2 Kg
Max. Speed 最大機械容許速度	3,000 rpm
Vibration Resistance	Endurance 55 Hz double amplitude 1.5 mm / 2 hours in X, Y and Z directions
Shock Resistance	Endurance 500 m / S <sup>2</sup> (50g) 3 times each in X, Y, Z direction
Cable 電線	Ø5.5, 100 cm long, vinyl shielded
Weight 重量	≤ 350g

**ENVIRONMENTAL SPEC.**

Operating Temp. / Humidity 操作溫度/濕度	0°C ~ 60°C, RH 35% ~ 90% (No Condensation)
Storage Temp. 儲存溫度	-20°C ~ 80°C
Protection 保護等級	IP64: Dust and Dripping Proof

**ORDERING INFORMATION**

<b>A3</b>	Output Code 輸出信號	Pulse per Revolution 解析	Electronics 電路特性	Supply Voltage 供應電源
	G: Gray Code	256, 1024 P/R	BLANK: NPN Voltage C: NPN Open-Collector	Blank: 10~26 Vdc 5V: 5 Vdc fixed

**ELECTRICAL CONNECTION**

Wire Color (cable output)	1024 PPR	256 PPR
Red	+V	+V
Black	0V	0V
Blue	bit 1 (2 <sup>0</sup> )	—
Green	bit 2 (2 <sup>1</sup> )	—
Yellow	bit 3 (2 <sup>2</sup> )	bit 1 (2 <sup>0</sup> )
Violet	bit 4 (2 <sup>3</sup> )	bit 2 (2 <sup>1</sup> )
Orange	bit 5 (2 <sup>4</sup> )	bit 3 (2 <sup>2</sup> )
Brown	bit 6 (2 <sup>5</sup> )	bit 4 (2 <sup>3</sup> )
White	bit 7 (2 <sup>6</sup> )	bit 5 (2 <sup>4</sup> )
Gray	bit 8 (2 <sup>7</sup> )	bit 6 (2 <sup>5</sup> )
Pink	bit 9 (2 <sup>8</sup> )	bit 7 (2 <sup>6</sup> )
Light Green	bit 10 (2 <sup>9</sup> )	bit 8 (2 <sup>7</sup> )
Shield	—	—