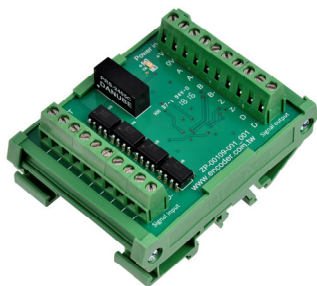


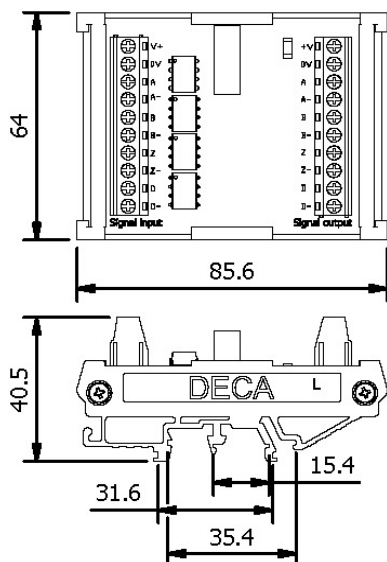
PCA

INCREMENTAL ENCODER and SENSOR CARD SIGNAL CONVERTER SIGNAL TRANSMITTER



- Designed by Optically Isolated for Noise Immunity and Long Distance Signal Transmission.
採用光耦合設計，抗干擾與長距離信號傳送。
- Accepts 4 Channels Signal Input.
接受 4 通道輸入源，轉換信號。
- Accepts and Generates Signals: NPN / PNP / Push Pull / Line Driver
接收與產生信號：NPN / PNP / Push Pull / Line Driver。

DIMENSION



ORDERING INFORMATION

Sensor Input			Driver Output		
P C A -					
	Power Supply	V_{in}	Input Signal	V_{out}	Output Signal
	A: 24V	A: 24V	C: NPN Open Collector	D: 5-26V	C: NPN Open Collector
	B: 12V	B: 12V	P: Push Pull	A: 24V	P: Push Pull
	C: 5V	C: 5V	L: Line Driver	C: 5V	L: Line Driver 5V
			C: 5V	L: Line Driver 5V	
			A: 24V	H: Line Driver 24V	
B: 12V	B: 12V	P: Push Pull	D: 5-26V	C: NPN Open Collector	
	C: 5V	L: Line Driver	B: 12V	P: Push Pull	
			C: 5V	L: Line Driver 5V	
			B: 12V	H: Line Driver 24V	

ELECTRICAL SPEC.

Detection System	Incremental 增量型	
Output Wave 輸出波形	Square Wave 方波	
Output Chanel 輸出相	A / B / Z / D Chanel	
Input Electronics 輸入電路特性	NPN Open Collector 電流型, Push Pull 推挽式, Line Driver 差動式	
Output Electronics 輸出電路特性	NPN Open Collector 電流型, Push Pull 推挽式, Line Driver 差動式 (DC 5V or 24V)	
Power Supply 供應電源	DC 24V±10%	DC 12V±10%
Current Consumption 消耗電流	≤ 200 mA (No Load 無負載)	≤ 400 mA (No Load 無負載)
Output Capacity 輸出容量	5/12V < 150 mA; 24V < 50 mA	
Max. Response 最大響應頻率	Max. 100K Hz of NPN Open Collector 電流型 Max. 200K Hz of Push Pull 推挽式, Line Driver 差動式	
Isolation Protection 光耦合隔離強度	2000 VRMS	
Wave Form Rise / Fall 波形上下時間	1 μs or less Cable 1 m	
Isolation Resistance 絕緣阻抗	100 mΩ / 500 Vdc case	
Strength 耐壓強度	1 KV/min. case	
Polarity 極性保護	Against Reverse Protection	
Output Current Circuit Protection 輸出過電流保護	> 50 mA	

MECHANICAL SPEC.

Vibration 震動	Max. 10g (10 ~55 Hz / 1.5 mm X.Y.X. 2Hr)
Weight 重量	≤ 200g

ENVIRONMENTAL SPEC.

Operating Temp. / Humidity 操作溫度/濕度	-10°C ~ 70°C, RH 35% ~ 90%, 8 Hr/each cycle (No Condensation)
Storage Temp. 儲存溫度	-20°C ~ 80°C
Protection 保護等級	IP50: Dust Proof