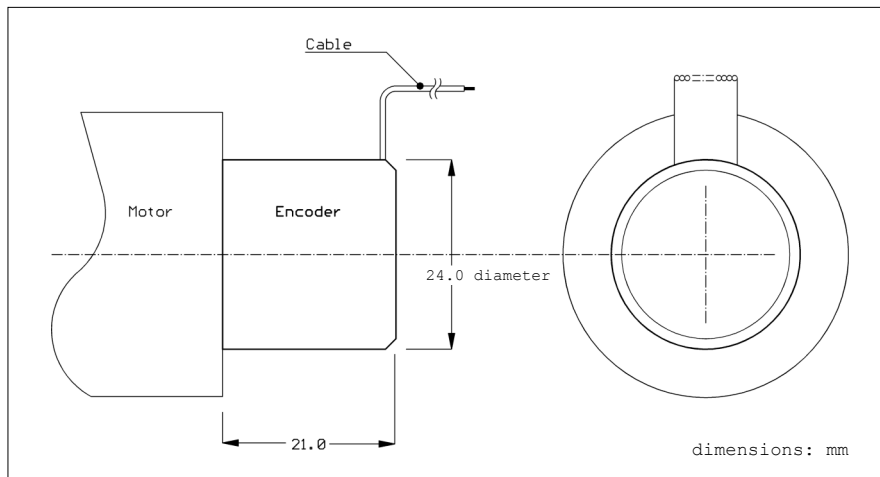


Rotary Encoder **CE22-1002**



- Compact size.
- 2 output channels: A and B.
- Power supply: 5 Vdc.
- TTL compatible signals.
- Outputs: NPN transistor with 2k7 pull-ups.
- Wide temperature range: -20 to +85 °C.
- 60 kHz maximum output frequency.
- Choice of 3 resolutions: 1, 100 or 300 pulses/rev.

The CE22-1002 is a High Performance rotary encoder optimised for a high performance/price ratio. The compact construction is of the Hollow Shaft type.

This means that the encoder sits on the motor shaft and therefore saves the cost of an encoder coupling. It then only requires the addition of a single pin to prevent rotational movement of the encoder body.

Transistor outputs with pull-up resistors provide an electrically rugged solution while still handling output frequencies up to 60kHz.

The standard version is shown in the specification table but other options are available for larger quantities.

Specification:		
Parameter:	Units:	Value:
Supply voltage:	Vdc	5 ± 0.5
Supply current:	mA	40 max.
Operating temperature:	°C	-20 to +85
Output frequency:	kHz	60 max.
Output type:	-	NPN open collector + 2k7 pull-up resistor.
Output signal levels:	-	TTL compatible.
Connection:	mm	Flying lead 300 long.
Resolution:	Pulses/rev	1, 100 or 300.
Shaft diameter:	mm	6.0

Encoder Connections:	
Violet:	Channel B
Black:	0V supply
Yellow:	Channel A
Red:	+5V supply
Green (pin 1):	Index (if used)

Part Numbers:	
CE22-xyy	CE22 = encoder type xxx = resolution (pulses/rev): 1, 100 or 300. y = number of channels (2 or 3).
Example:	CE22-1002 = 100 pulses/rev. + 2 channels
Standard version:	CE22-1002 (Contact factory for other options).