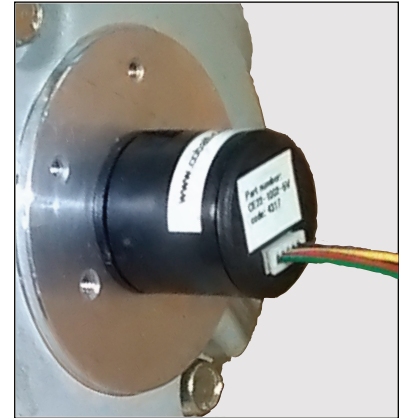


Rotary Encoder

CE22-1002

- Compact size.
- 2 Output Channels: A and B.
- Power Supply: 5 Vdc.
- TTL compatible output signals.
- Outputs: NPN Transistor with 2k7 pull-up.
- Wide Temperature Range: -20 to +80 C
- 60 kHz maximum output frequency
- 100 ppr (Pulses per revolution).



The CE22-1002 is a high performance rotary encoder in a compact format.

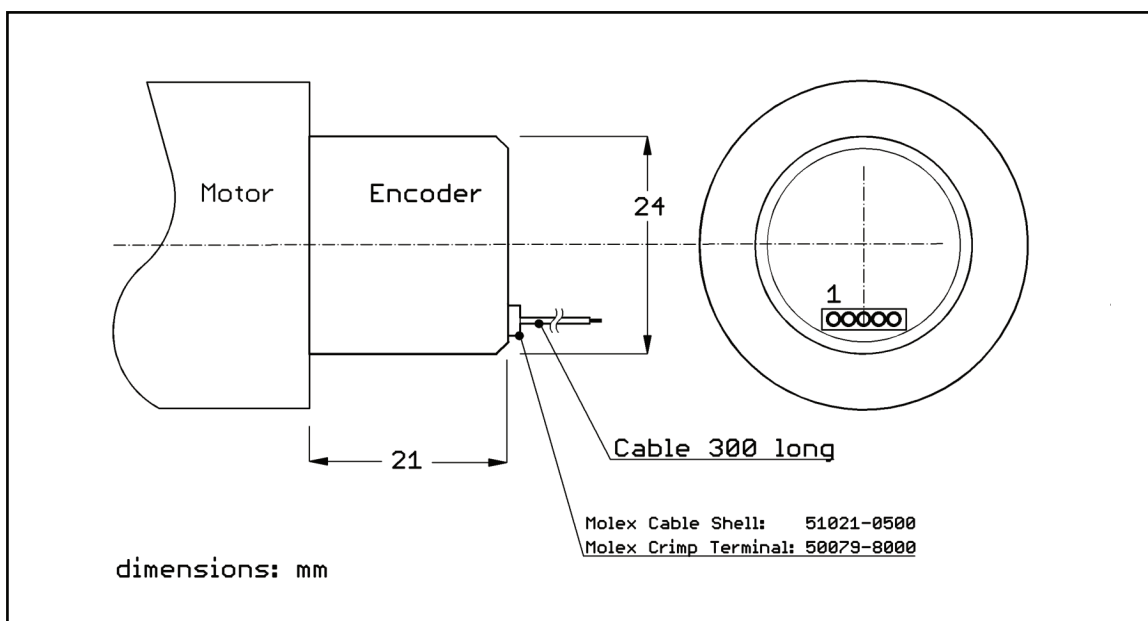
Construction is of the hollow shaft type which eliminates the cost of an encoder coupling.

The two output signals enable precise determination of speed, position, acceleration and direction of rotation.

With the addition of suitable electronic logic, resolutions of 200 and 400 ppr may also be produced.

Transistor outputs with pull-up resistors provide an electrically rugged solution while still handling frequencies up to 60 kHz. This enables a maximum speed of 20,000 rpm (at 100 ppr).

The standard version is shown in this data sheet but the Eltra EL30 encoder is also available on some of our motors for those applications that require a special configuration.



CE22-1002

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:	PPR	100 (pulses per revolution).

Encoder Connections:		
Violet:	pin 5	Channel B
Black:	pin 4	0V supply
Yellow:	pin 3	Channel A
Red:	pin 2	+5V supply
Green:	pin 1	Index (if used)

Part Number:	
CE22-1002	Standard version = 100 ppr + 2 channels, (Contact factory for other options).

