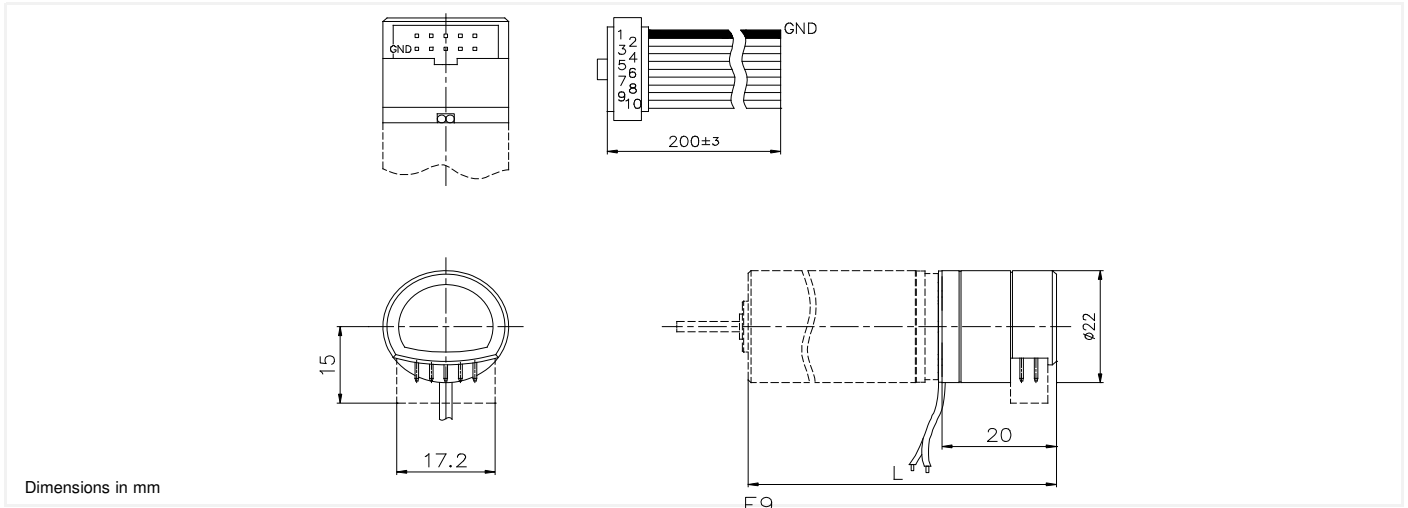


E9

3 Channel Optical Encoder



Dimensions in mm

Characteristics @ 22 °C

1	Number of Lines Available	100, 144, 200, 256, 300, 360, 500 ⁽¹⁾ , 512 ⁽¹⁾	LPR
2	Supply Voltage	5 ± 10%	Volt
3	Supply Current	Typical	10 mA
		Maximum	20 mA
		Stand-by	50 µA
4	Output Signal	Compatible	CMOS
5	Electrical Phase Shift	90 ± 20	degree
6	Duty Cycle	50 ± 10	%
7	Maximum Count Frequency	200	kHz
8	Operating Temperature Range:	-40 to +85	°C (°F)
9	Code Wheel Moment of Inertia	0.12	10 ⁻⁷ x kgm ²
10	Weight	6.2 (0.22)	g (oz)

Available on motor types	22N48	22V48	23LT12	23V48	23GST	25GST	25GT	26N58
Length with motor - mm (in)	53.9 (2.13)	56.2 (2.22)	58 (2.29)	59 (2.33)	69.2 (2.33)	63.7 (2.51)	73.65 (2.9)	62 (2.41)

Available on motor types	28L28	28LT12	28DT12	30GT	35NT	35GLT
Length with motor - mm (in)	61.5 (2.42)	64.4(2.54)	85.8 (3.38)	88.3 (3.48)	82.6 (3.25)	92.6 (3.65)

(1) Ask for the 2R (ball bearing type) motor for use with the E9 in 500 or 512 line version

Features

- 2 channel quadrature output & index channel
- Compact size
- intergrated direction of rotation detection
- stand-by function with latched state of channels (to de-activate the stand-by mode, connect to the pin 4 to the +5V
- Complementary outputs
- CMOS capatible
- up/down pulse signals (on reuquest)
- Single 5vdc supply
- the input Stand-by has to be connected to 0vdc or + 5vdc

Typical encoder output signal

