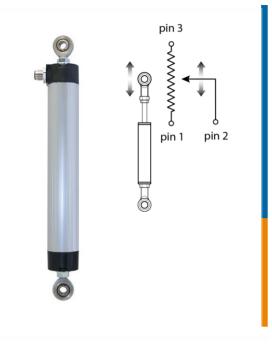


AUTHORIZED DISTRIBUTOR



Developed specifically for a wide range of demanding applications, our CL series position transducers offer unrivalled performance in terms of accuracy, repeatability, life expectancy and ease of mounting. Such applications include industrial automation, automotive and robotics.

The CLWG uses a twin-bearing actuating rod, backlash-free pivot heads and a superior wiper system to provide outstanding linearity and performance.

CLWG Linear Potentiometer

Absolute Linear Position to 30 inches (750 mm) 3K - 10K ohms • High Cycle Applications Industrial Automation, Test and Robotics Applications IP65 Protection • M12 Connector

General

Full Stroke Ranges	0-3 to 0-30 in. (0-75 to 0-750 mm)
Output Signal	voltage divider (potentiometer)
Linearity	.04% to .1%, see ordering information
Repeatability	< 0.01 mm
Resolution	essentially infinite
Life Expectancy	50 million cycles
Enclosure Material	aluminum
Sensor	conductive plastic linear potentiometer
Operating Speed	200 inches (5 M) per second, max.

Electrical

Input Resistance	5K to 10K ohms (±20%), see order code
Recommended Maximum Input Voltage	25-30 V(AC or DC)
Recommended Operating Wiper Current	≤ 1 µA
Environmental	

Enclosure Design	IP65
Operating Temperature	-22° to 212°F
Vibration	up to 10 g to 2000 Hz maximum

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Ordering Information

Model Number:



Sample Model Number:

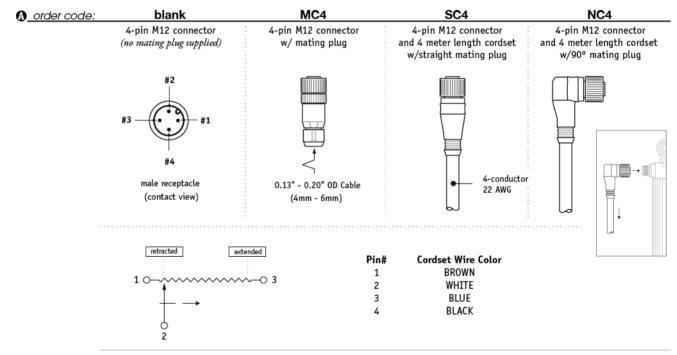
CLWG - 75 - NC4

R range: 3 inches [75 mm] electrical connection: 4-pin, 90° M12 cordset

Full Stroke Range:

® _order_code:	75	100	150	225	300	360	450	500	600	750
measurement range, in. [mm]:	3[75]	4[100]	6[150]	9[225]	12[300]	14[360]	18[450]	20[500]	24[600]	30[750]
resistance, (±20%):	ЗK	3K	5K	5K	5K	5K	5K	5K	5K	10K
linearity, %:	0.1%	0.1%	0.08%	0.07%	0.06%	0.05%	0.05%	0.05%	0.05%	0.04%

Electrical Connection:



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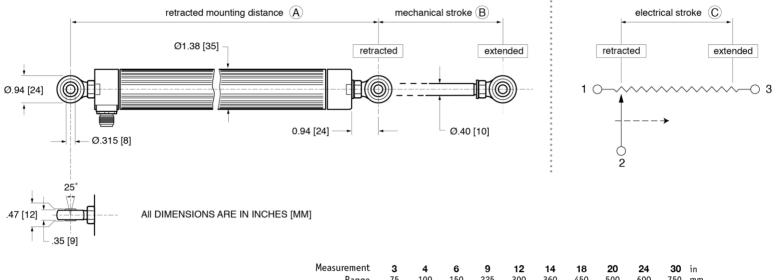
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Outline Drawing



3	4	6	9	12	14	18	20	24	30 in	
75	100	150	225	300	360	450	500	600	750 mm	
9.72 247	10.75 273	12.72 323	15.75 400	18.74 476	21.69 551	26.18 665	28.74 730	33.70 856	40.94 in 1040 mm	
3.11 79	4.13 105	6.10 155	9.09 231	12.09 307	14.49 368	18.11 460	20.08 510	24.09 612		
2.99 76	4.01 102	5.98 152	8.98 228	11.97 304	14.41 366	17.99 457	20.00 508	24.02 610	30.00 in 762 mm	
	75 9.72 247 3.11 79 2.99	75 100 9.72 10.75 247 273 3.11 4.13 79 105 2.99 4.01	75 100 150 9.72 10.75 12.72 247 273 323 3.11 4.13 6.10 79 105 155 2.99 4.01 5.98	75 100 150 225 9.72 10.75 12.72 15.75 247 273 323 400 3.11 4.13 6.10 9.09 79 105 155 231 2.99 4.01 5.98 8.98	75 100 150 225 300 9.72 10.75 12.72 15.75 18.74 247 273 323 400 476 3.11 4.13 6.10 9.09 12.09 79 105 155 231 307 2.99 4.01 5.98 8.98 11.97	75 100 150 225 300 360 9.72 10.75 12.72 15.75 18.74 21.69 247 273 323 400 476 551 3.11 4.13 6.10 9.09 12.09 14.49 79 105 155 231 307 368 2.99 4.01 5.98 8.98 11.97 14.41	75 100 150 225 300 360 450 9.72 10.75 12.72 15.75 18.74 21.69 26.18 247 273 323 400 476 551 665 3.11 4.13 6.10 9.09 12.09 14.49 18.11 79 105 155 231 307 368 460 2.99 4.01 5.98 8.98 11.97 14.41 17.99	75 100 150 225 300 360 450 500 9.72 10.75 12.72 15.75 18.74 21.69 26.18 28.74 247 273 323 400 476 551 665 730 3.11 4.13 6.10 9.09 12.09 14.49 18.11 20.08 79 105 155 231 307 368 460 510 2.99 4.01 5.98 8.98 11.97 14.41 17.99 20.00	75 100 150 225 300 360 450 500 600 9.72 10.75 12.72 15.75 18.74 21.69 26.18 28.74 33.70 247 273 323 400 476 551 665 730 856 3.11 4.13 6.10 9.09 12.09 14.49 18.11 20.08 24.09 79 105 155 231 307 368 460 510 612 2.99 4.01 5.98 8.98 11.97 14.41 17.99 20.00 24.02	75 100 150 225 300 360 450 500 600 750 mm 9.72 10.75 12.72 15.75 18.74 21.69 26.18 28.74 33.70 40.94 in 247 273 323 400 476 551 665 730 856 1040 mm 3.11 4.13 6.10 9.09 12.09 14.49 18.11 20.08 24.09 30.07 \pm 0.02 764 \pm 2 mm 2.99 4.01 5.98 8.98 11.97 14.41 17.99 20.00 24.02 30.00 in

CLWG 12/01/2015

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