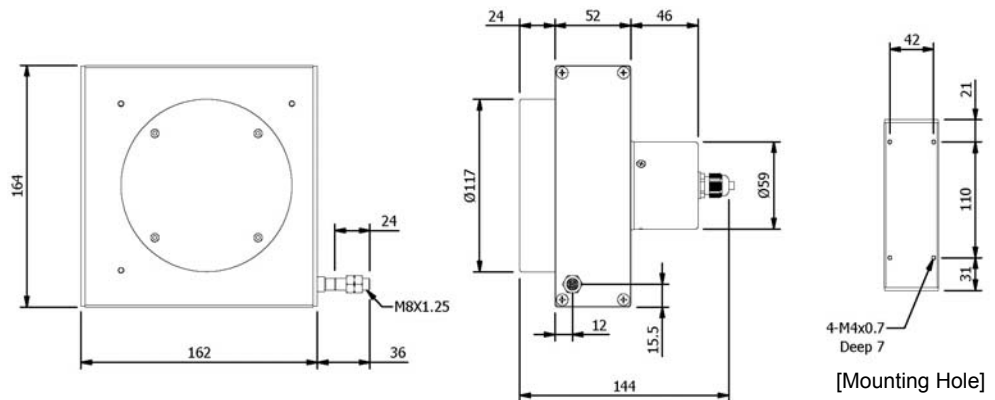


HLS-L

LINEAR WIRE ENCODER



ELECTRICAL SPEC.

Detection System	Incremental
Output Wave	Square Wave
Stroke (mm)	6000, 8000, 10000, 12000
Standard Resolution (mm/pulse)	1, 0.5 mm/pulse (others by request)
Accuracy	±0.05% FS, ±1 count
Output Phase	AB phase or ABZ phase
Electronics	NPN Voltage, NPN Open Collector, Push Pull or Line Driver
Power Supply	DC 8~26V, DC 5V fixed
Current Consumption	≤ 60 mA
Output Capacity	Sync. Current: 20 mA, Residual Voltage: 0.5V or less
Max. Response	10K Hz ~ 50K Hz
Phase Different	A, B phase different 90°±45° (T/4±T/8), Z phase T±T/2
Wave Form Rise / Fall	2 μs or less
Polarity	Against Reverse Protection (not with DC 5V)

MECHANICAL SPEC.

Wire Specification	Material: SUS304 with nylon coating Diameter: 1.0 mm; Breaking load: 60 Kg
Max. Travel Speed	1,000 mm / sec.
Vibration	10g (10±1,500 Hz)
Shock	20g per 11 ms
Cable	Ø5.4, 100 cm long
Weight	< 3,500g
Starting Torque on Spring 拉力	1,500 ~ 2,000 g

ENVIRONMENTAL SPEC.

Operating Temp. / Humidity	-10°C ~ 60°C, RH 35% ~ 90% (No Condensation)
Storage Temp.	-20°C ~ 80°C
Protection	IP64: Dust & Dripping Proof (only for encoder housing)
Life	Typical > 1 X 10 ⁶ cycles

ORDERING INFORMATION

HLS-L	Measuring Range	Resolution	Output Phase	Electronics	Supply Voltage
	60 : 6000 mm 100 : 10000 mm 80 : 8000 mm 120 : 12000 mm	1 : 1 mm 05 : 0.5 mm	Blank: AB phase *Z: ABZ phase	Blank: NPN Voltage C: NPN Open-Collector PP: Push-Pull *L: Line Driver 5Vdc *HL: Line Driver 5~26Vdc	Blank: 8~26Vdc 5V: 5Vdc fixed