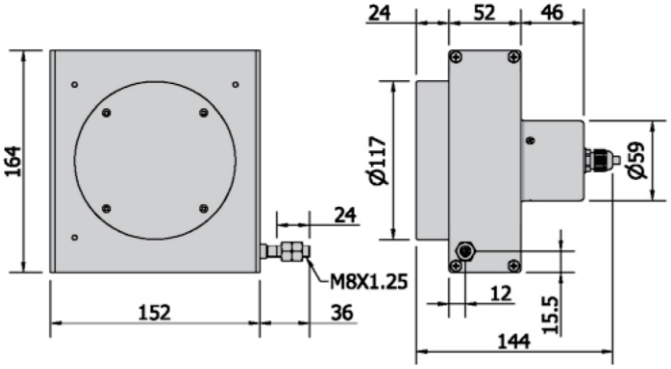
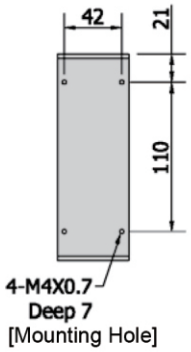
FFUBA MLS-L 拉线式译码器 MLS系列







ELECTRICAL SPEC.

Detection System	Incremental 增量型	
Output Wave 輸出波形	Square Wave 方波	
Stroke (mm) 量測行程	6000, 7000, 8000, 9000, 10000, 11000, 12000	
Standard Resolution (mm/pulse) 解析	1, 0.5 mm/pulse	(others by request)
Accuracy 精度	±0.05% FS, ±1 count	
Output Phase 輸出相	AB phase or ABZ phase	
Electronics 電路特性	NPN Voltage, NPN Open Collector, Push Pull or Line Driver	
Power Supply 供應電源	DC 8~26V, DC 5V fixed	
Current Consumption 消耗電流	≤ 60 mA	
Output Capacity 輸出容量	Sync. Current: 20 mA, Residual Voltage: 0.5V or less	
Max. Response 最大響應頻率	10K Hz ~ 50K Hz	
Phase Different 相位差	A, B phase different 90°±45° (T/4±T/8), Z phase T±T/2	
Wave Form Rise / Fall 波形上下時間	2 μs or less	
Polarity 極性保護	Against Reverse Protection (not with DC 5V)	

MECHANICAL SPEC.

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

ENVIRONMENTAL SPEC.

Operating Temp. / Humidity 操作溫度/濕度	-10°C ~ 60°C, RH 35% ~ 90% (No Condensation)
Storage Temp. 儲存溫度	-20°C ~ 80°C
Protection 保護等級	IP64: Dust & Dripping Proof (only for encoder housing)
Life 壽命	Typical > 1 X 10^6 cycles

ORDERING INFORMATION

MLS-L -

Measuring Range 量測行程	*Resolution* 解析	*Output Phase* 輸出相	*Electronics* 電路特性	*Supply Voltage* 供應電源	*Connection* 連接器
60 : 6000 mm **70** : 7000 mm **80** : 8000 mm **90** : 9000 mm **100** : 10000 mm **110** : 11000 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	**Blank**: Axial Cable *__R7__: Radial 7 pin *__R10__: Radial 10 pin