

Spring Type Magnetic Linear Incremental Encoder

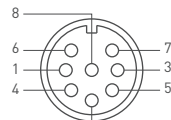
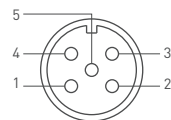
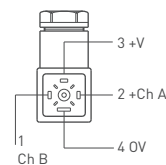
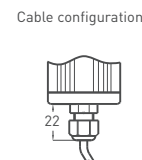
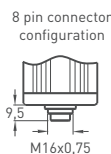
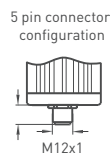
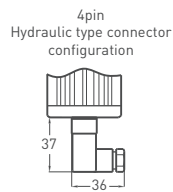
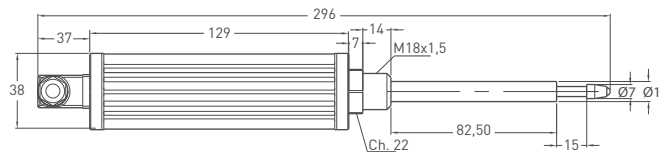
- 10 µm accuracy
- 15 mm measurement stroke
- 1024 pulse / mm resolution
- Magnetic, incremental
- Push-Pull, TTL, Linedriver and High Linedriver output
- IP 65 protection level
- Internal spring loaded
- Quality Control and for Test Application



Technical Specifications

Type of measurement	Magnetic, incremental
Measurement stroke	15 mm
Resolution	1024 pulse / mm
Accuracy	± 10 µm
Output channels	A, B, \bar{A} , \bar{B}
Output type	Push-Pull, TTL, Linedriver, HLD,
Supply voltage	8 - 24 VDC(standard), 5 VDC (optional)
Power consumption (without load)	< 50 mA
Electrical connection	4 pin connector
Max. speed	< 3 m/s
Case material	Anodized aluminium
Protection level	IP 65
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

Mechanical Specifications



Linedriver Cable Output

- Ch A : Black
- Ch B : White
- Ch A inv. : Yellow
- Ch B inv. : Green
- +V : Brown
- OV : Blue
- GND : Shield

Push-Pull Cable Output

- Ch A : Black
- Ch B : White
- +V : Brown
- OV : Blue
- GND : Shield

Ordering Procedure

Model	Measurement stroke	Resolution	Output type	Output	Power supply	Connector / Cable
MLCS	15	TX	LTP	B	V2	C2
MLCS	15 mm	TX: 1024 puls/mm	LTP : Push-Pull LD : Linedriver HLD : High Linedriver TT : TTL	B : A,B	V1 : 5 VDC V2 : 8 - 24 VDC	2M5 : 2,5 meter cable 5M : 5 meter cable C2 : 4 pin connector C5 : 5 pin connector C8 : 8 pin connector