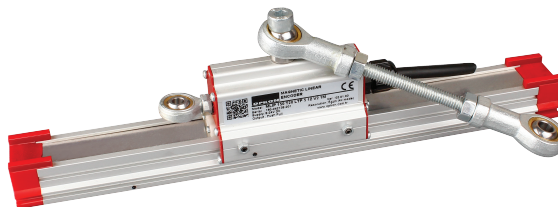


MLIP

Magnetic Linear Incremental Encoder

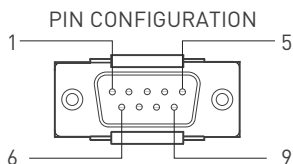
- 2,5 / 5 / 10 / 12,5 / 20 / 25 µm resolution (4x mode)
- Magnetic contactless measurement
- Push-Pull, TTL, Linedriver or HLD output
- Can be used with multiple reader heads
- IP 66 protection level



Technical Specifications

Type of measurement	Magnetic incremental contactless
Measurement stroke	50 - 50000 mm (can be extend up to 50 meters)
Resolution	2,5 / 5 / 10 / 12,5 / 20 / 25 µm resolution (4x mode)
Accuracy	± 40 µm
Output channels	A,B,Z or A,Ā, B,Ā, Z, Z̄
Output type	Push-Pull, TTL, Linedriver or High Linedriver
Power supply	5 VDC or 8 -24 VDC
Reference position	Optional
Power consumption(without load)	< 40 mA (24 VDC)
Electrical connections	2.5 m cable standard, DB9 connector with 1 m cable
Case material	Anodized aluminium
Protection level	IP 66
Operating temperature	-20°C ... +80°C
Storage temperature	-30°C ... +90°C

Electrical Specifications



Cable output

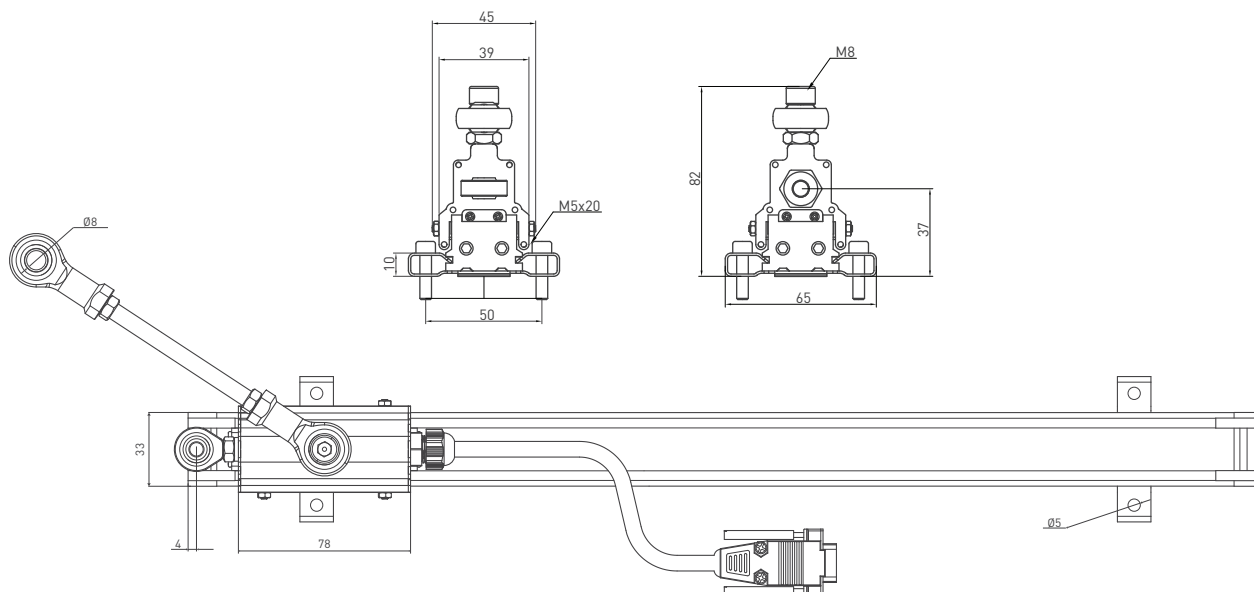
+V	Brown
0V	Blue
A	Black
B	White
Z	Orange
A inv.	Yellow
B inv.	Green
Z inv.	Red
GND	Earth

9H Type Electrical Connections

Pin 1	Ch Z
Pin 2	Ch B
Pin 3	Ch A
Pin 4	NC
Pin 5	GND
Pin 6	Ch Z inv.
Pin 7	Ch B inv.
Pin 8	Ch A inv.
Pin 9	+V

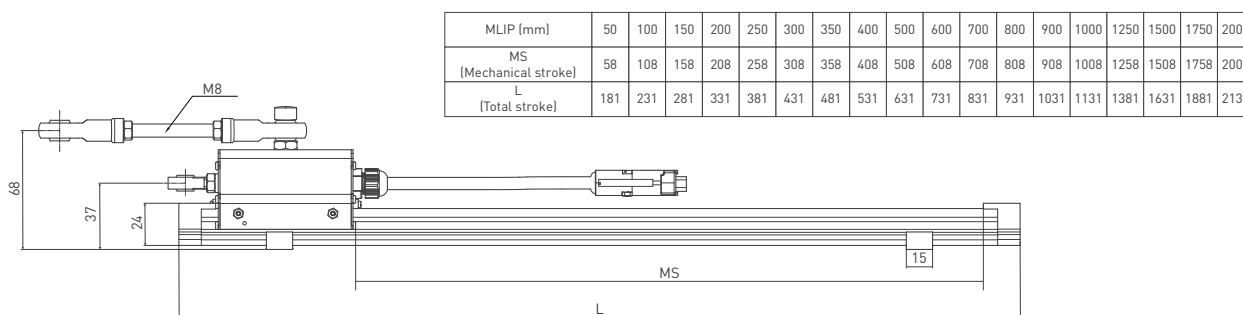
9G Type Electrical Connections

Pin 1	Ch A
Pin 2	Ch A inv.
Pin 3	Ch Z
Pin 4	Ch B
Pin 5	Ch B inv.
Pin 6	Ch Z inv.
Pin 7	+V
Pin 8	GND
Pin 9	Earth

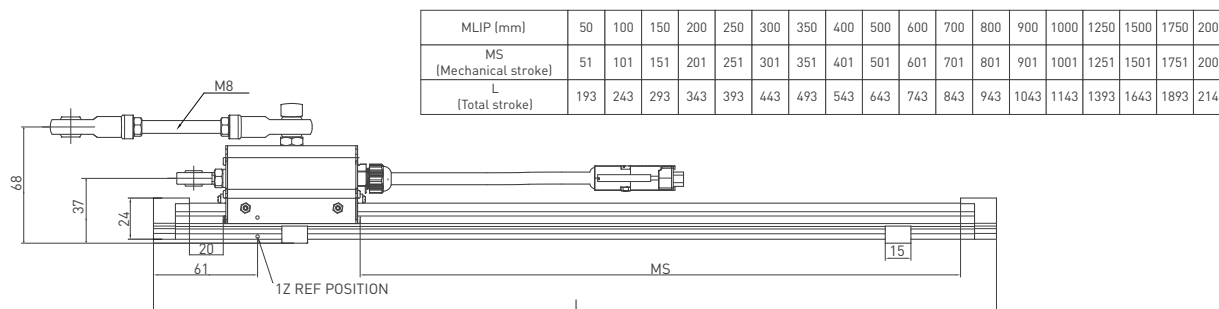


Mechanical Specifications

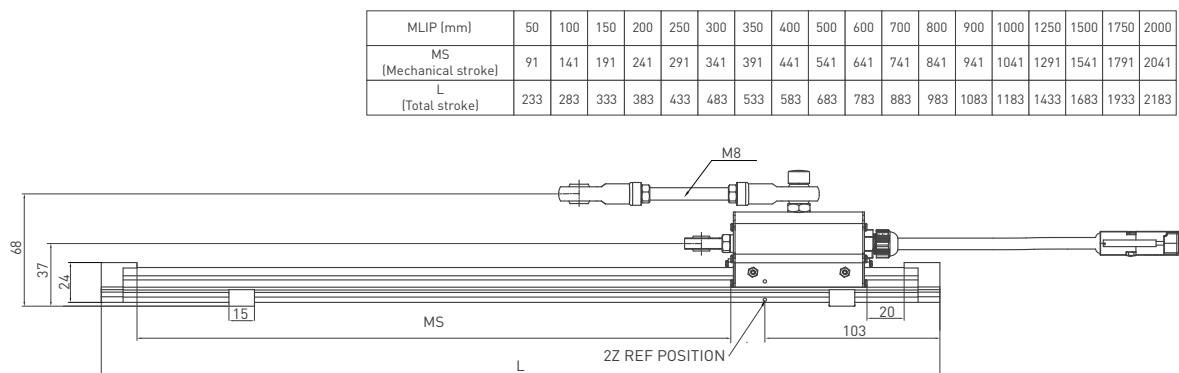
B : A,B / 5Z : Continues reference



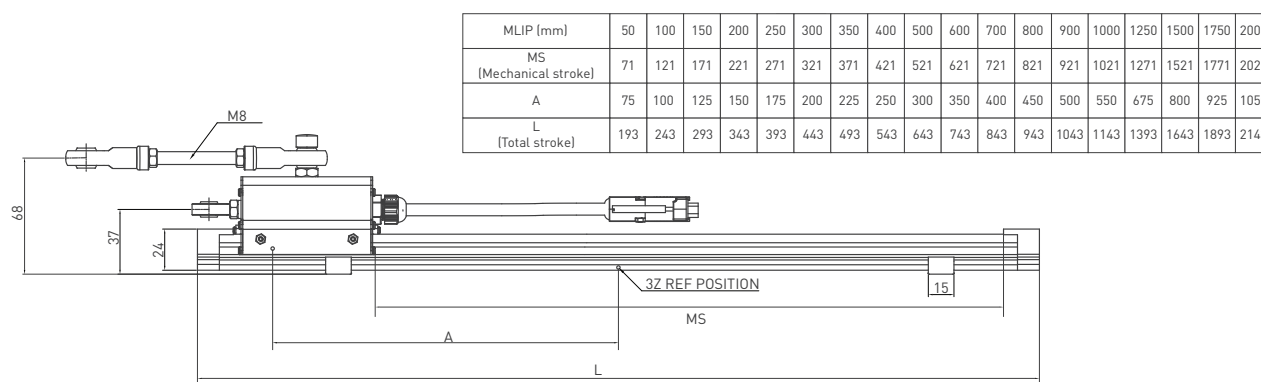
1Z : Reference



2Z : Reference



3Z : Reference



Ordering Procedure

Model	Measurement stroke (mm)	Resolution	Output type	Output	Power supply	Connector / Cable
MLIP	500	T20	LTP	B	V1	2M5
MLIP	50 - 50000 mm (can be extend up to 50 meters)	T10 : 2.5 µm T20 : 5 µm T50 : 12.5 µm T80 : 20 µm T100 : 25 µm	LTP : Push-Pull TT : TTL HLD : High Linedriver LD : Linedriver	1Z : Reference 2Z : Reference 3Z : Reference 5Z : Continues reference B : A,B	V1 : 5 VDC V2 : 8 - 24 VDC	2M5 : 2.5 meter cable 9G : G type electrical connection 9H : H type electrical connection