

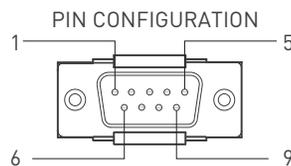
- 2,5 / 5 / 10 / 12,5 / 20 / 25 μm resolution (4x mode)
- Magnetic contactless measurement
- Push-Pull, TTL, Linedriver or HLD output
- Can be used with multiple reader heads
- IP 66 protection level



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	$\pm 40 \mu\text{m}$
Output channels	A,B,Z or A, \bar{A} , B, \bar{B} , Z, \bar{Z}
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

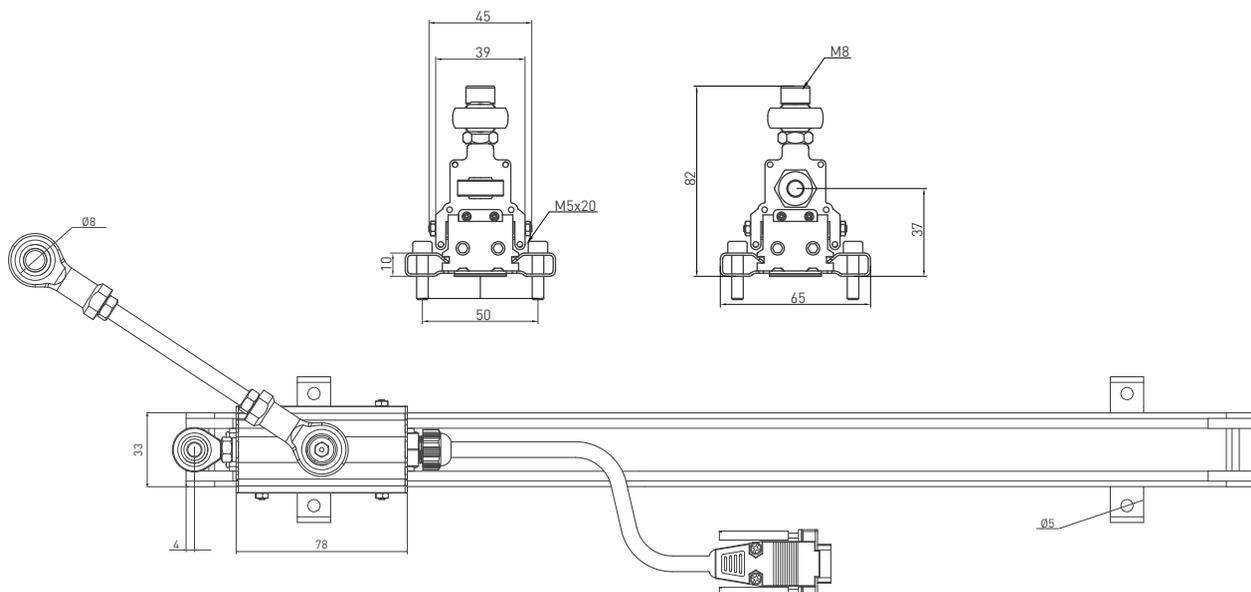
Electrical Specifications



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

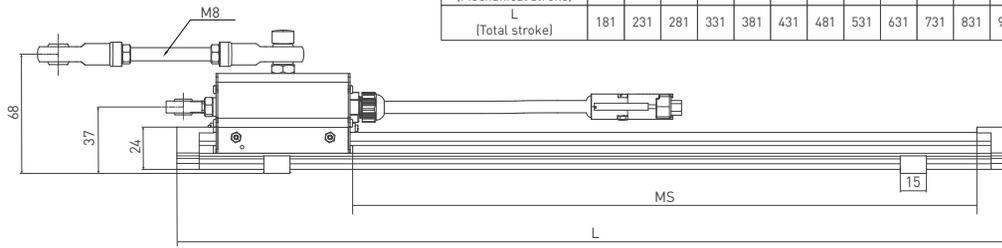
9G Type Electrical Connections	
Pin 1	Ch A
Pin 2	Ch A inv.
Pin 3	Ch Z
Pin 4	Ch B
Pin 5	Ch B inv.
Pin 6	Ch Z inv.
Pin 7	+V
Pin 8	GND
Pin 9	Earth



Mechanical Specifications

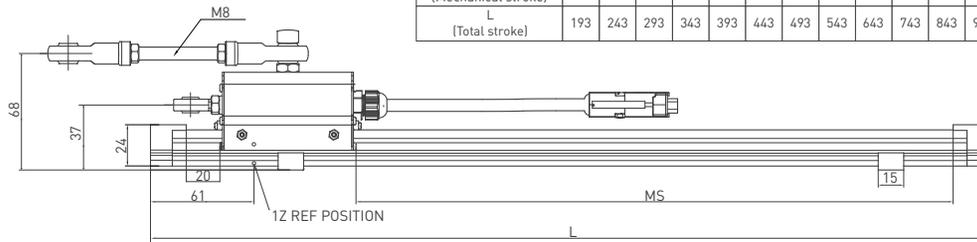
B : A,B / 5Z : Continues reference

MLIP (mm)	50	100	150	200	250	300	350	400	500	600	700	800	900	1000	1250	1500	1750	2000
MS (Mechanical stroke)	58	108	158	208	258	308	358	408	508	608	708	808	908	1008	1258	1508	1758	2008
L (Total stroke)	181	231	281	331	381	431	481	531	631	731	831	931	1031	1131	1381	1631	1881	2131



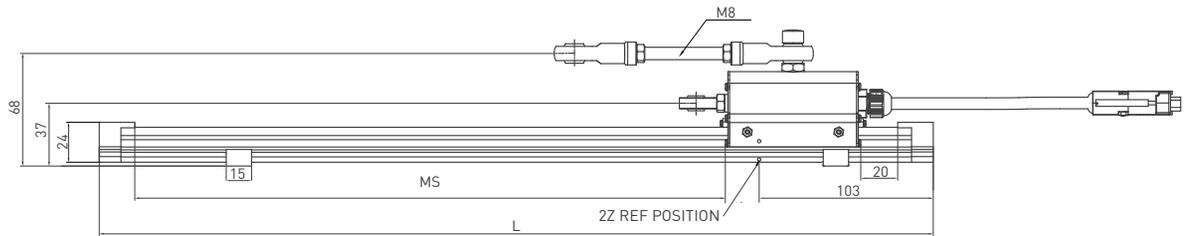
1Z : Reference

MLIP (mm)	50	100	150	200	250	300	350	400	500	600	700	800	900	1000	1250	1500	1750	2000
MS (Mechanical stroke)	51	101	151	201	251	301	351	401	501	601	701	801	901	1001	1251	1501	1751	2001
L (Total stroke)	193	243	293	343	393	443	493	543	643	743	843	943	1043	1143	1393	1643	1893	2143



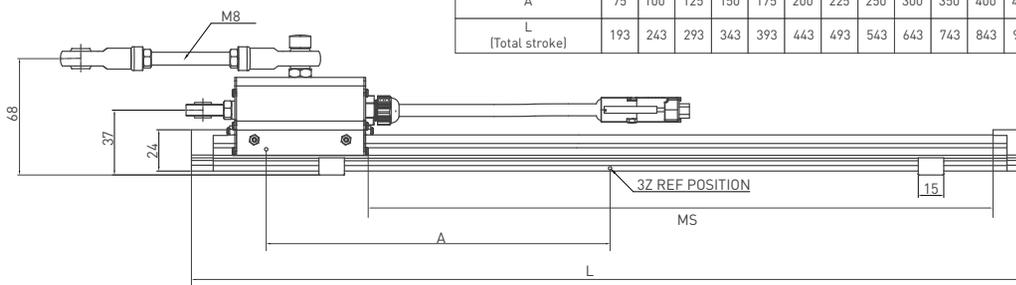
2Z : Reference

MLIP (mm)	50	100	150	200	250	300	350	400	500	600	700	800	900	1000	1250	1500	1750	2000
MS (Mechanical stroke)	91	141	191	241	291	341	391	441	541	641	741	841	941	1041	1291	1541	1791	2041
L (Total stroke)	233	283	333	383	433	483	533	583	683	783	883	983	1083	1183	1433	1683	1933	2183



3Z : Reference

MLIP (mm)	50	100	150	200	250	300	350	400	500	600	700	800	900	1000	1250	1500	1750	2000
MS (Mechanical stroke)	71	121	171	221	271	321	371	421	521	621	721	821	921	1021	1271	1521	1771	2021
A	75	100	125	150	175	200	225	250	300	350	400	450	500	550	675	800	925	1050
L (Total stroke)	193	243	293	343	393	443	493	543	643	743	843	943	1043	1143	1393	1643	1893	2143



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