

MLA1 - 18mm ø ROD STYLE

MLA1 - 18mm ø ROD STYLE



MLA1FS



MLA1C

DESCRIPTION

The MLA1 series linear transducers are compact and are suitable for installation in small spaces in order to detect small shifts. This series is ideal for small mechanical devices, valves, test tools, and benches. Installation is simplified by the lack of electrical signal variation at output outside theoretical electrical stroke

STANDARD FEATURES

- 10 to 450mm STROKE
- OUTPUT - 1kOHM, 5kOHM (50-450mm)
- LINEARITY +/-0.05%
- INFINITE RESOLUTION
- CONNECTOR - 4 PIN, CABLE
- DISPLACEMENT SPEED - 5m/s
- MECHANICAL LINKAGE - M8
- OPERATING TEMP - -30 to +100OC
- IP40

OPTIONS

- IP65

MECHANICAL/ELECTRICAL DATA

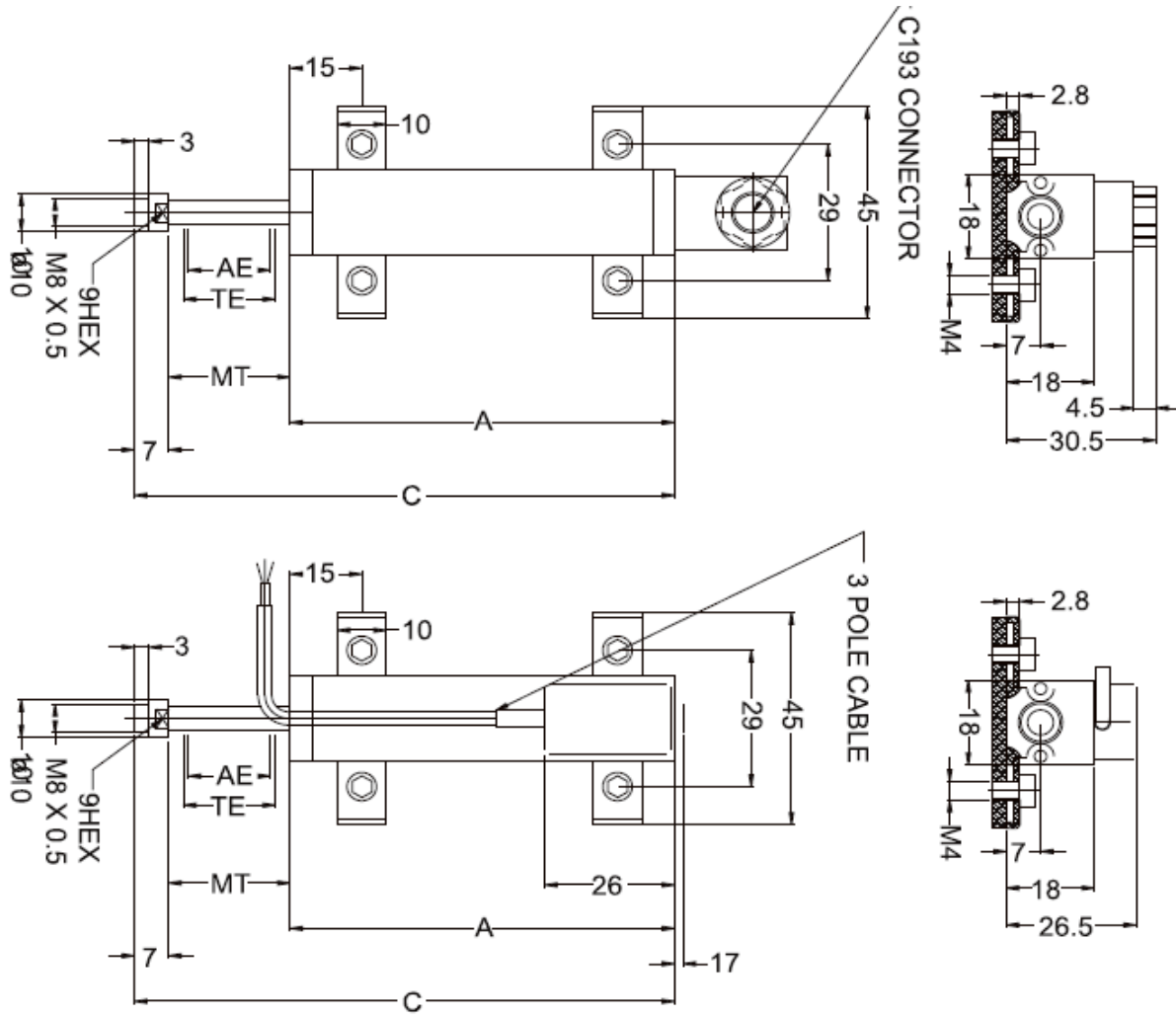
MODEL		10	25	50	75	100	110	125	150	175	200	225	250	275	300	350	375	400	425	450
TOTAL ELECTRICAL TRAVEL	mm	11	26	51	76	101	111	126	151	177	202	227	252	277	302	353	378	403	428	453
ACTIVE ELECTRICAL TRAVEL	mm	10	25	50	75	100	110	125	150	176	201	226	251	276	301	352	347	402	427	452
RESISTANCE .20%	k	1	1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
INDEPENDENT LINEARITY	%	0.3	0.2	0.1	0.1	0.1	0.1	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
MECHANICAL TRAVEL	mm	15	30	55	80	105	115	130	155	180	205	230	255	280	305	355	380	405	430	455
RESOLUTION		Infinite																		
RECOMMENDED CURSOR CURRENT	A	<1																		
TEMPERATURE RANGE	°C	-30°C to 100°C (-22°F to 212°F)																		
DIMENSIONS (A)	mm	59.5	74.5	99.5	124.5	149.5	159.5	174.5	199.5	224.5	249.5	274.5	299.5	324.5	249.5	399.5	424.5	449.5	474.5	499.5
DIMENSIONS (C)	mm	83.2	113.2	163.2	213.2	263.2	273.2	313.2	363.2	413.2	463.2	513.2	563.2	613.2	663.2	763.2	813.2	863.2	913.2	963.2

MLA1 - ORDER CODE

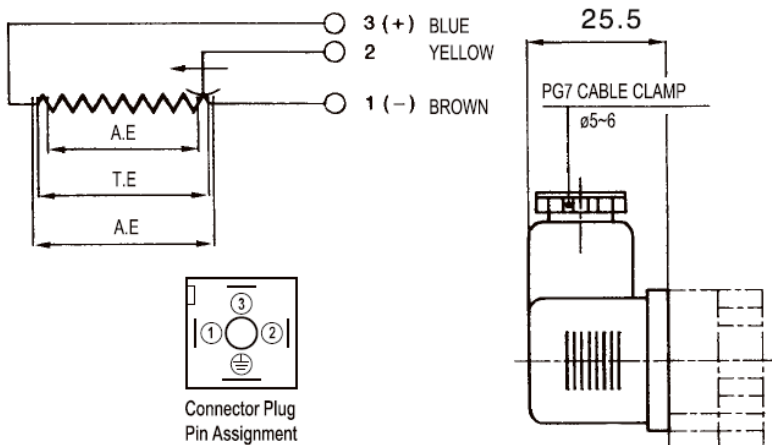
MLA1X(X) - **XX(X)** - **X**
ELECTRICAL CONNECTION **Length (mm)** **SEAL**
C - 4Pin See Table Above <blank> - IP40
FS - 1M Cable **P** - IP65

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DIMENSIONS



ELECTRICAL CONNECTIONS



SPECIFICATIONS

LINEARITY	0.05%
MAX VOLTAGE	60V
PROTECTION	IP40 (Option - IP65)
INSULATION RESISTANCE	>500V
MAX DISPLACE SPEED	5m/s
LIFE	>100x10 ⁶ Cycles
CASE MATERIAL	Anodized Aluminium, Nylon
CONTROL ROD	Stainless Steel
RESISTANCE ELEMENT	Conductive Plastic
MECH MOUNTING	Variable Length Brackets