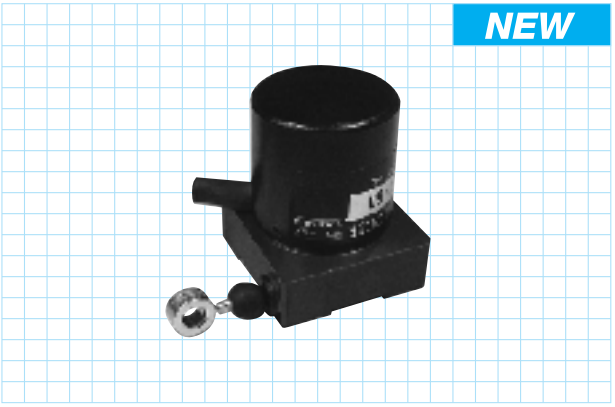
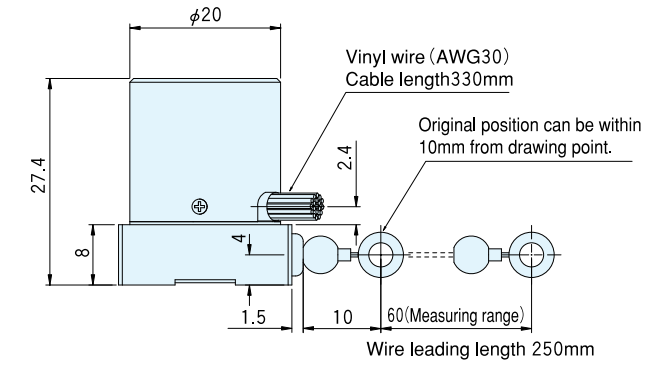
MLA-I7 series

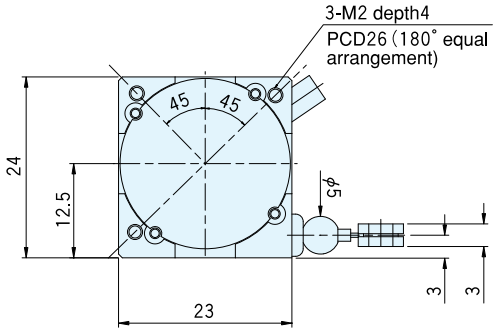
[Absolute]

- Smallest in the series : Outside dimensions 23×24×27.4 (H)
- Measuring range : 60mm (*Max. 250mm)
- Main Applications: Robot Machine, small actuator, conductor apparatus, manipulator, Jack-up controller for building industry and etc.



Outside dimensions

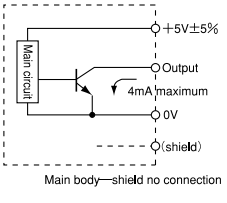
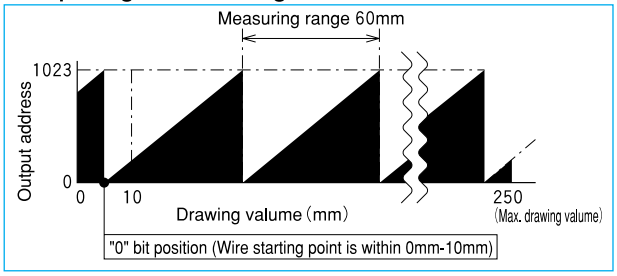




Specifications

Type name / Item	MLA17-□ □1-60 Pulse number 1,024 (G、N) or 1,000 (B) Output code ●G=Gray code ●N=Pure binary code ●B=BCD code
Supply voltage	DC5V±5%
Current consumption	70mA or less (under no load)
Output code	G:gray code N:pure binary code B:BCD code
Logic	Nagative logic (H=0、L=1)
Output circuit	NPN open collector
Output capacity	Sink current each bit 4mA max
Maximum response frequency	20kHz
measuring range	60mm (Please refer to the output signal image)
Output pulse number/mm	1,024/60 (G、N)、1,000/60 (B)
Minimum resolution	G (N) :0.059mm B:0.06mm
Stroke speed	250mm/sec
Wire tensile force	0.39N~0.78N (40~80gf)
Working ambient temperature/humidity	0℃~+50℃/RH35%~90% (no dewing)
Storage ambient temperature	-20~+80℃
Vibration resistance	Durability 55Hz, double amplitude 1.5mm 2 hours each in X, Y, and Z directions
Impact resistance	50G 3 times each in X, Y, and Z directions
Cable	Vinyl wire (AWG30) Cable length 330mm
Mass	40g

I/O circuit diagram



Output signal is an image form