

NEMICON

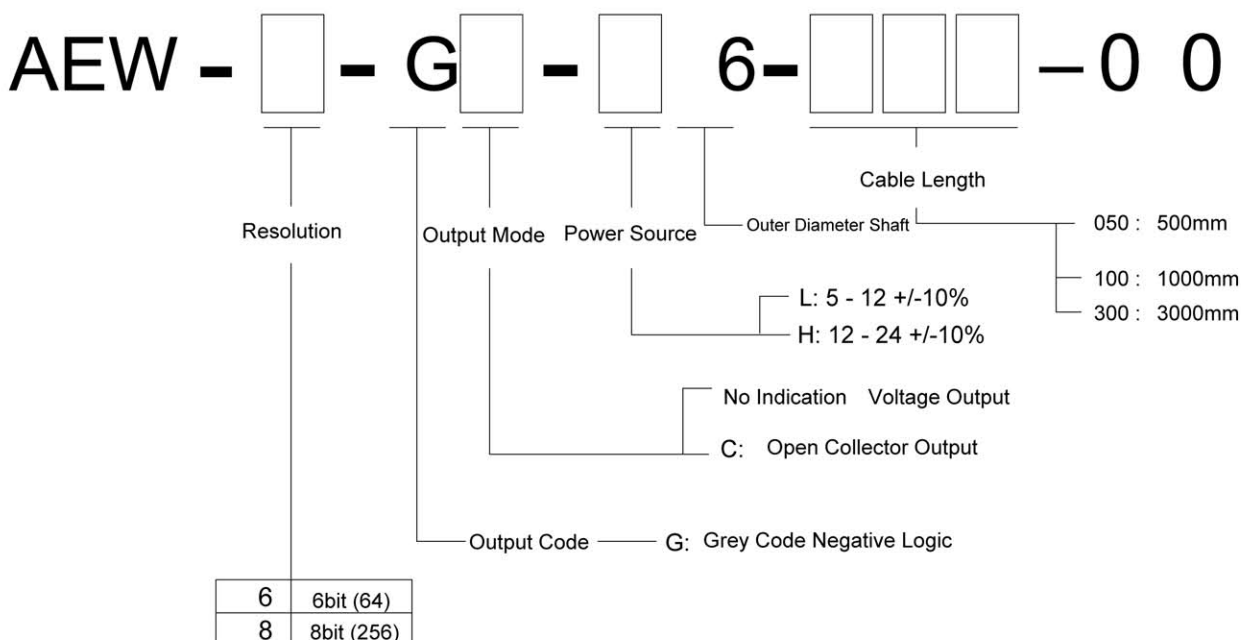
ABSOLUTE TYPE

AEW Model

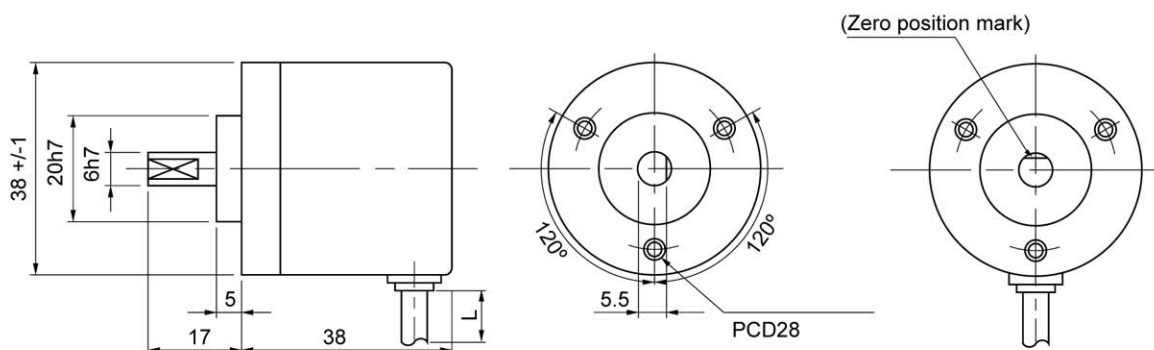


38mm Diameter Compact Shaft
Type Absolute Encoder

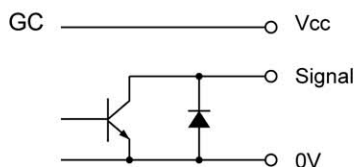
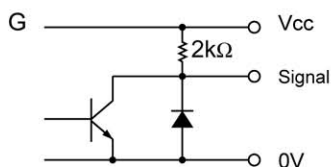
Model



External Dimension



Input & Output Current



Electrical Spec.

Supply Voltage		L : DC 4.5-13.2 V H: DC 10.8-26.4 V
Requirement	100 mA	Voltage Output or Less Open collector Output or Less
Output Voltage	"H"	Within - 1 power volt
	"L" *1	0.5 V or Less
Maximum Output Current		20 mA MAX
Rise & Fall Time		1 μ s or Less
Maximum Frequency Response *2		5 kHz

*1) at Maximum Output Current *2) When The Lording is 5V 1K

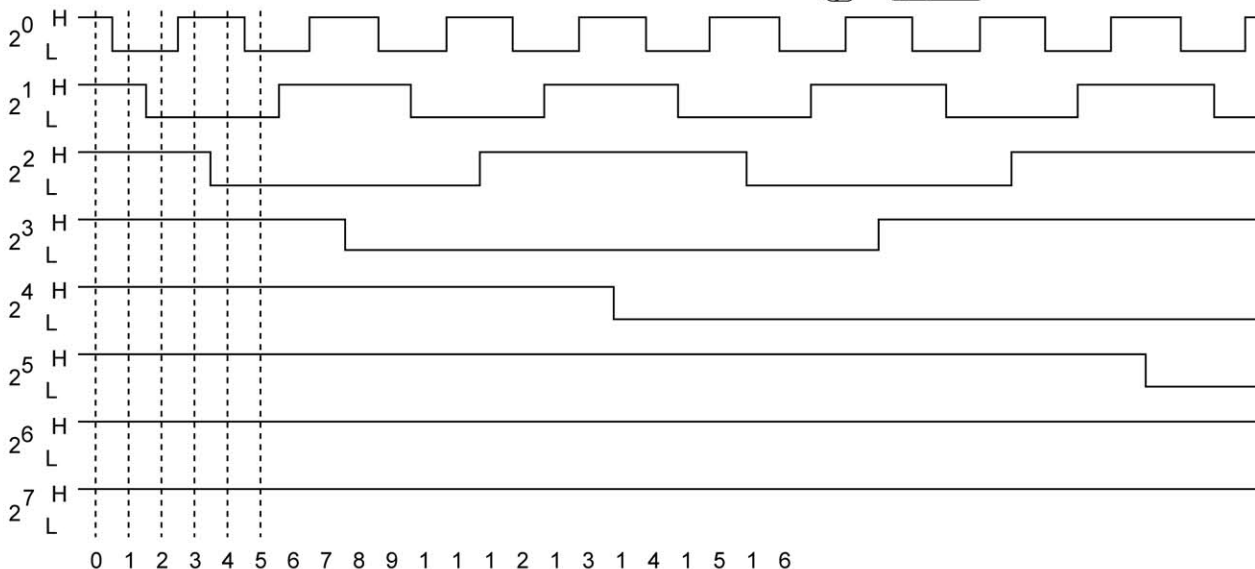
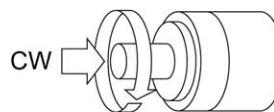
Electrical Connections

Color of Lead Wire	Description
Red	Power Souce
Black	OV Common
Brown	Signal 2 ⁰
Orange	Signal 2 ¹
Yellow	Signal 2 ²
Green	Signal 2 ³
Blue	Signal 2 ⁴
Purple	Signal 2 ⁵
Gray	Signal 2 ⁶ Only available for 256 split type
White	Signal 2 ⁷ Only available for 256 split type
Shielding Braid	F.G

Wave Form.

(Extract)

Rotating Toward Clockwise
Viewed from an Arrow



Mechanical Spec.

Starting Torque		9.8x10 ⁻⁴ Nm or Less
Angular Acceleration		1 ' 105 rad/s2
Shaft Loading	Thrust axial	19.6N
	Radial	29.4N
Moment of Inertia		8 ' 10-7 kg • m2max
Maximum RPM		6000r/min
Net Weight (W/O Cable)		120g or Less

Environmental Spec.

Operating Temperature	- 10°C - +55°C
Storage Temperature	- 25°C - +80°C
Humidity	RH 85 % or Less No Condensation
Vibration	10 - 55 Hz / 1.5 mm 2 h
Shock	490m/s2 6ms X, Y, Z Each 3 times
Degree of Protection	IP50