

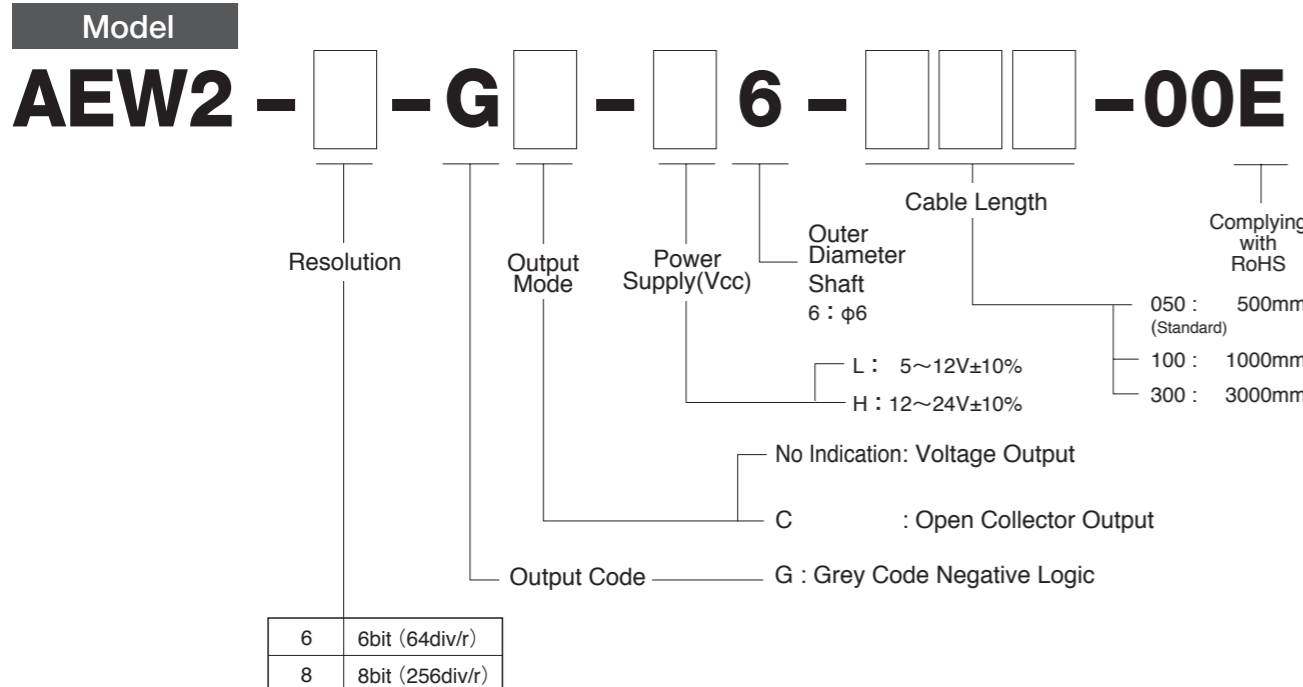
ABSOLUTE TYPE

AEW2 Model

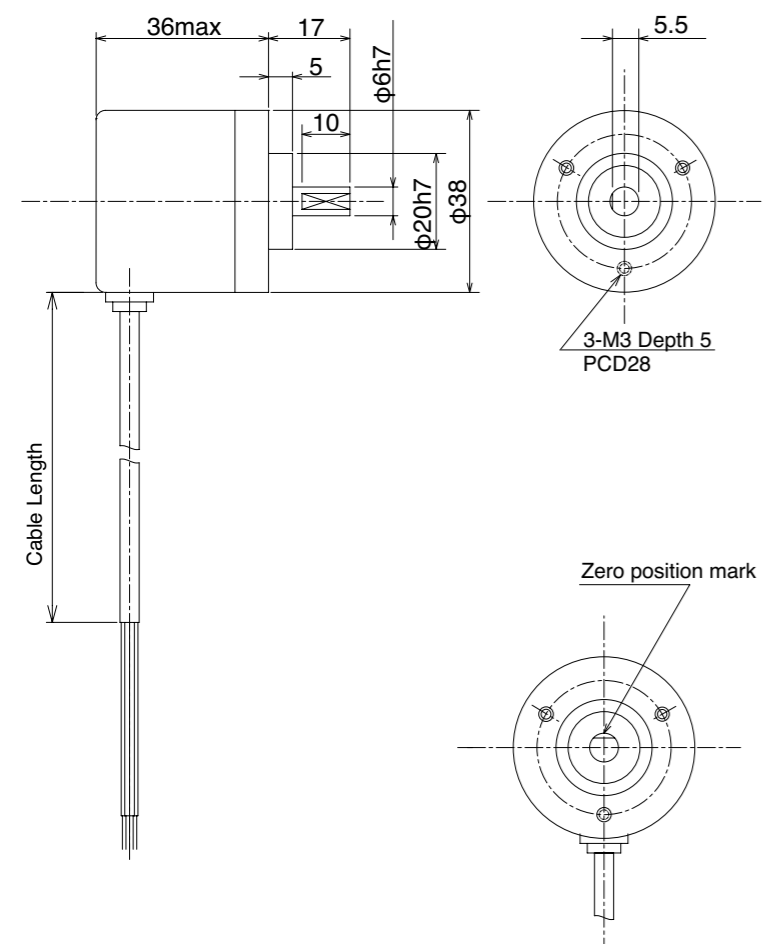


38mm Diameter Compact Shaft Type Absolute Encoder

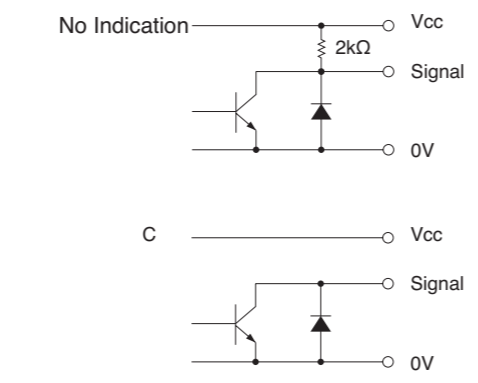
•8bit (256div/r) is available with OD 38mm.



External Dimension



Output Circuit



Electrical Spec

Power Supply(Vcc)	L : DC 4.5 ~ 13.2 V H : DC 10.8 ~ 26.4 V	
Current Consumption	Voltage Output 160mA Max Open Collector Output 100mA Max	
Output Voltage	"H"	Vcc-1V Min (Exclude C Mode)
	"L" ^{*1}	0.5 VMax
Maximum Sink Current	20 mA	
Rise & Fall Time	1 μs Max	
Maximum Frequency Response ^{*2}	5 kHz	

*1) at Maximum Sink Current *2) When The Loading is 5V 1KΩ

Electrical Connections

Color	Signal
Red	Power Supply(Vcc)
Black	0V
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 8bit output
White	Signal 2 ⁷ Only available for 8bit output
Shield	F.G

Wave Form



Mechanical Spec

Starting Torque	9.8x10 ⁻⁴ N · m Max	
Angular Acceleration	1x10 ⁵ rad/s ²	
Shaft Loading	Thrust	19.6N
	Radial	29.4N
Moment of Inertia	8x10 ⁻⁷ kg · m ²	
Maximum Permissible Speed	6000min ⁻¹	
Net Weight(Without Cable)	120g Max	

Environmental Spec

Operating Temperature	-10°C~+55°C
Storage Temperature	-25°C~+80°C
Humidity	RH 85% Max No Condensation
Vibration	10~55 Hz / 1.5mm X,Y,Z Each 2h
Shock	490m/s ² , 11ms X, Y, Z Each 3 times
Ingress Protection	IP50