

Specifications				
Item			Hollow Shaft Type Ø60mm SINE WAVE INCREMENTAL Rotary Encoder	
Model			E60H20-2048-10-A-5-R E60H20-2048-10-A-5-S	
Revolution (PPR)				
Output phase			A, A, B, B, Z, Z, C, C, D, D phase	
Phase difference of output			Phase difference between A and B: $\frac{1}{4} \pm \frac{1}{8}$ (T=1cycle of A phase)	
			Phase difference between C and D: 90°	
pecification	ΞĦ	Output type	OP Amp output	
	utp	Output current	Vac.==: 0.5V+0.1V	
	00	DC OFFSET	$V_{pc} = 2.5V \pm 0.3V$	
	Max. res	sponse frequency	200kHz	
al s	Power supply		5VDC== ±5% (ripple P-P: max. 5%)	
Electrica	Current consumption		Max. 120mA (disconnection of the load)	
	Dielect	ion resistance	Over 100M Ω (at 500VDC between all terminals and case)	
	Connection		Axial cable type Radial cable type	
echanical ecification	Starting torque		Max. 200gf·cm (0.02N·m)	
	Momen	nt of inertia	Max. 110g·cm ² (11×10 ⁻⁶ kg·m ²)	
	Shaft loading		Radial: 5kgf, Thrust: 2.5kgf	
≥ 0	Max. allowable revolution		6000rpm	
Shock	ion		1.5mm amplitude at frequency of 10 to 55Hz in each X, Y, Z direction for Z hours Max, 100G	
Ambient temp.			-20 to 100°C, storage: -25 to 100°C	
Environment Ambient humi. 35 to 85%RH, storage: 35 to 90%RH Protection structure IP40 (IEC standard)			35 to 85%RH, storage: 35 to 90%RH	
			IP40 (IEC standard)	
Cable			Ø6mm, 17-wire, 9m ^{×1} , Shield cable (AWG28, core diameter: 0.08mm,	
Accessory			Bracket: 2	
Approval			(€	
Weight ^{**2}			Approx. 750g (approx. 720g)	
X1: Option is 7m, 15m.				
2: The weight includes packaging. The weight in parenthesis in for unit only.				
© Ra	idial c	AMGDP7 6.6 able type AMGDP7 6.6 able type able type able type able type able type able type able type able type able type able type	2-M3 2-M3	
Connections Grown: OUT A Brown: OUT A Bracket				
×Unu The be g	sed wirr metal c rounde	es must be insul ase and shield o d (F.G.).	Red: OUT A Orange: OUT B Pielow: OUT Z Blue: OUT Z Violet: OUT Z Pink: OUT D Prink: OUT D Shiel: F.G. ated. cable of encoder should	
*The	output	circuit has the d	edicated IC and be sure of torque.	
*Do r	On ot apply tensile strength over 30N to the cable.			



③Pollution degree 2

④Installation category II

Major Products

