

## AM-PI2858AN SERIES (Built-In Position Control)

	16	06.5_0.05	© 28± Power cob Red +, Blue Incorrect wiring will built-in driver of the	0.1 50 6: AWC224 cdamage the 260 motor!	$\frac{1}{58\pm0.}$	2	<u> </u>	16 • • • • • • • • • • • • •	
		Brushless Servo Motor		Ball Bearing					
Motor Model			2410						
Nominal volta	ge	V	24						
Voltage range		V	21.5~26.5						
No-load holding current		mA	45						
Static holding torque		mN∙m	29.0						
Static holding current		mA	250						
Rated torque		mN∙m	29.0						
Rated speed		rpm	10000						
Pulse number / circle		Pulse / circle	256						
Overload torque		mN.m	50.0						
Maximum ove	rload time	second	3						
Moment of ine	ertia	gcm <sup>2</sup>	6.19						
Weight		g	155						
Additional Information									
Note: Excessive shock loads and periodic oscillations can cause the motor to run unsteadily. Stabilize the system by improving the load.									
Motor thermal resistance: 10.2 K/W					Motor thermal time constant: 822 S				
Axial (dynamic	c):	4.		4.0 N	Radial (5mm from head face):			16.0 N	
Press-fit force	e (static):		50 N		Max allowable screw depth info flange:			3.0 mm	
Maximum radial runout (5mm from the thread surface):			urface):	≤0.02 mm	Axial play:		0 (<4.0N )		
Maximum win	ding temperature			85℃	Ambient temperature range:		-30 to 65 °C		
Part Information									
Control function description									
Input level description VII		L max 1.2V ; VIH min 22V		MOTOR	FOR HOST HOST Max. Freq.(Hz)		A Hz Max. Freq.(Hz)=Rate	=Rated Speed × (Pulse/Revolve)/60	
Pulse input (red) Fa		Illing edge is valid		Peedback pulse ↓ ₩		→Vcc			
Direction cont	rol (white) Hi	gh CW Low CCW		╽┌┤╫╨┥	Enable input				
Enable input (yellow) VII		L Enable			Steering input	≥ <b>* * *</b>		$\backslash$	
Feedback puis	se (green) 32			<u> </u>			0	t	
Input Giack) Universal Input port					Viring diagram		Recommended	pulse control curve	
				1.2					
25.0	27 A		50 0	LJ	Ĩ	am-pi2858A ◀━━━━L1━	N Combiniation S	2	
20.9	21.4		30.0		1				
40.3	44.4		Gearbox H Motor H						
10.0 77.7								ľ	
	II				Ì	÷	L <sub>T</sub>		
Note: The customer can select the gearbox to match the motor. It is recommended to weld motor shaft gears, some of which are listed here for reference.					AM-28GP       AM-32GP   For more combination space, visit Assun Motor wabgits				
				For more combination specs, visit Assum wotor website.					

Download datasheet: <u>https://assunmotor.com/documents-download</u>

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