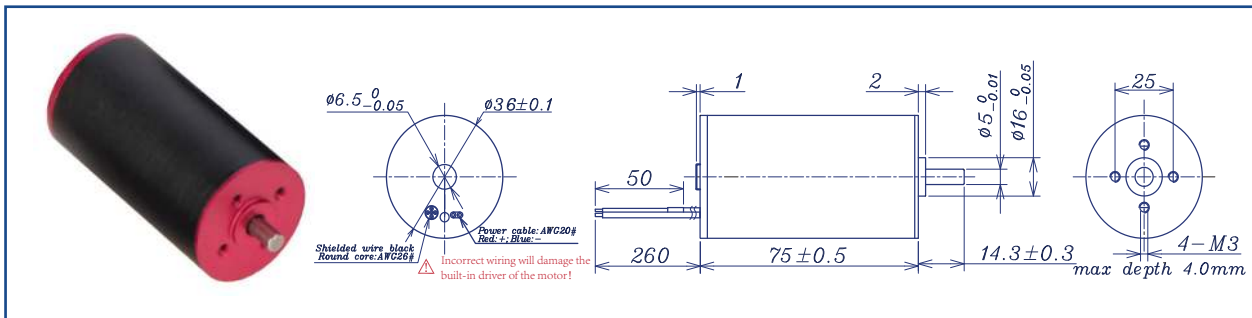


## AM-PI3675AN SERIES (Built-In Position Control)



Brushless Servo Motor		Ball Bearing	
<b>Motor Model</b>		<b>2410</b>	
Nominal voltage	V	24	
Voltage range	V	21.5~26.5	
No-load holding current	mA	45	
Static holding torque	mN·m	52.0	
Static holding current	mA	350	
Rated torque	mN·m	52.0	
Rated speed	rpm	10000	
Pulse number / circle	Pulse / circle	256	
Overload torque	mN.m	80.0	
Maximum overload time	second	3	
Moment of inertia	gcm <sup>2</sup>	16.75	
Weight	g	345	

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:	6.9 K/W	Motor thermal time constant:	1188 S
Axial (dynamic):	6.0 N	Radial (5mm from head face):	16.0 N
Press-fit force (static):	50 N	Max allowable screw depth into flange:	4.0 mm
Maximum radial runout (5mm from the thread surface):	≤0.02 mm	Axial play:	0 (<6.0N)
Maximum winding temperature	85°C	Ambient temperature range:	-30 to 65 °C

Part Information				
<b>Control function description</b>		<p>Wiring diagram</p>	<p>Recommended pulse control curve</p>	
Input level description	VIL max 1.2V ; VIH min 22V			
Pulse input (red)	Falling edge is valid			
Direction control (white)	High CW Low CCW			
Enable input (yellow)	VIL Enable			
Feedback pulse (green)	32 pulse / rev			
Input GND (black)	Universal input port			
<b>Total Length LT=L1+L2+L3</b>				
<b>L1:36GP</b>	<b>L1:40GP</b>	<b>L2 :PI36</b>	<b>L3</b>	
39.6	46.8	75.0		
48.6	58.3			
57.6	69.8			
<p><b>AM-PI3675 AN Combination Scheme</b></p>				
<p>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.</p>				
<p><b>Recommended Gearbox:</b></p> <p>AM-36GP AM-40GP</p> <p>For more combination specs, visit Assun Motor website.</p>				

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