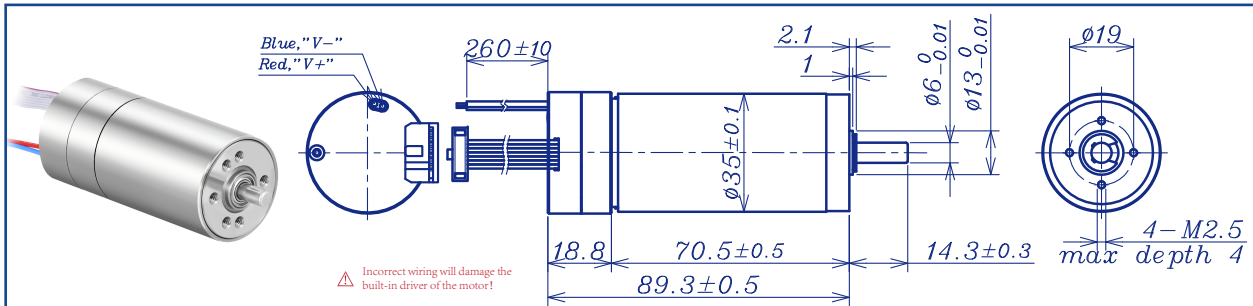


AM-PC3589GAN SERIES (Built-In CAN+RS485 Communication Protocol, Pulse+Direction Control)



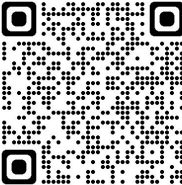
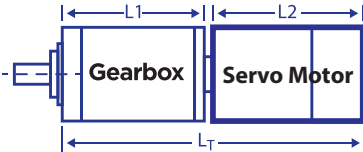
Brushed Servo Motor		Ball Bearing				
Motor Model		1206	1204	2408	2406	2404
Nominal voltage	V	12	12	24	24	24
Voltage Range	V	14.5~9.5	14.5~9.5	21.5~26.5	21.5~26.5	21.5~26.5
Standby current	mA	55	55	35	35	35
Rated current	mA	3600	2800	2200	1900	1500
Torque constant	mN.m/A	16.9	25.1	26.1	35.0	51.9
Rated torque	mN.m	60.8	70.3	57.5	66.5	77.8
Rated speed	rpm	5600	3600	7400	5500	3500
Pulse number / circle	Pulse / circle	16384	16384	16384	16384	16384
Overload torque	mN.m	121.6	140.6	115	133	155.6
Maximum overload time	second	5	5	5	5	5
Moment of inertia	gcm ²	110	110	110	110	110
Weight	g	383.3	385.2	385.2	385.5	383.2

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:	9.1 K/W	Motor thermal time constant:	1352 S
Axial (dynamic):	5.5 N	Radial (5mm from head face):	28.0 N
Press-fit force (static):	100 N	Max allowable screw depth info flange:	4.0 mm
Maximum radial runout (5mm from the thread surface):	≤0.02 mm	Axial play:	Preset
Maximum winding temperature	85°C	Ambient temperature range:	-40 to 65 °C

Part Information

Control function description		Pin Definition		 DIN Connector: 41651 2 Pin 1 Pin I view Cable color Pin1: Red, the other: Gray  Wiring diagram	 PC software and full set of data : Website: https://www.assunmotor.com.cn/zlxz
CANOPEN DS 301 + 402 (Default node id: 0x08,500kbps)	1. CAN-H	2. CAN-L			
MODBUS RS485 (RTU) Default node id: 0X08 Baud rate: 57600bps,8,1,N,N.	3. RS485-B	4. RS485-A			
PULS (Pules input)	5. NC	6. PULS			
SIGN (Direction input)	7. SIGN	8. DGND			
Total Length $LT=L1+L2+L3$				 AM-PC3589GAN Combination Scheme L1 L2 L_T Gearbox Servo Motor	
L1:36GP	L1:40GP		L2 :PC35		
39.6	46.8		89.3		
48.6	58.3				
57.6	69.8				
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.				Recommended Gearbox: AM-36GP AM-40GP For more combination specs, visit Assun Motor website.	

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

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