

Product for Field Test

Newsletter Date: 04.11.2025

1. Product Introduction: X4 series servo drive and X0 servo motor

The power range supported for testing: 400W to 2kW

The X4 series servo drives are suitable for basic applications and are commonly used in simple positioning tasks.

Note: The X4 series servo drives are only compatible with X0 motors.

2. Naming Rule:

SV-X4 E B 040 A - A E - 00 - 000

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1 Product series

2 Type	
E	Standard

3 Control type	
A	Pulse
B	EtherCAT

4 Drive power	
010	100W
020	200W
040	400W
075	750W
100	1KW
150	1.5KW
200	2KW
250	2.5KW

5 Voltage type	
A	220V

6 Control power supply	
A	AC control power

7 Product series	
E	E-series

8 Hardware customization mark	
00	By default

9 Software customization mark	
000	By default



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3. Product Specifications

Items		Specifications 220V							
Models SV-X4□***A-AE-00-000 ^{Note}		010	020	040	075	100	150	200	250
Driver power (W)		100	200	400	750	1000	1500	2000	2500
Rated current (Arms)		1.2	2	3	4.5	6	10	12.5	15.6
Max. output current (Arms)		3.6	6	9	13.5	18	30	37.5	37.5
Power specifications		Single-phase 200~240V 50~60Hz						Three-phase 200~240V 50~60Hz	
Built-in regenerative resistor	Resistance(Ω)	-	-	-	-	-	-	-	-
	Capacity(W)	-	-	-	-	-	-	-	-
External regeneration resistor	Resistance(Ω)	≥45	≥45	≥45	≥40	≥40	≥30	≥30	≥30
Overvoltage level		III							

Note: The control type is marked in □, A is pulse type, B is EtherCAT.

Function		Pulse	EtherCAT bus
		Standard EA	Standard EB
Hardware interface	CN4/CN5 communication	RS485	EtherCAT
	CN6 I/O Interface	44pin	15pin
	CN2 STO	-	-
Hardware Features	PC Communication	USB/RS485	USB
	Number of I/Os	8DI/5DO	5DI/3DO
	Analog input	2AI	-
	Pulse frequency division output	✓	-
	Dynamic braking	-	-
Software features	Internal positioning	✓	-

X0 motor:

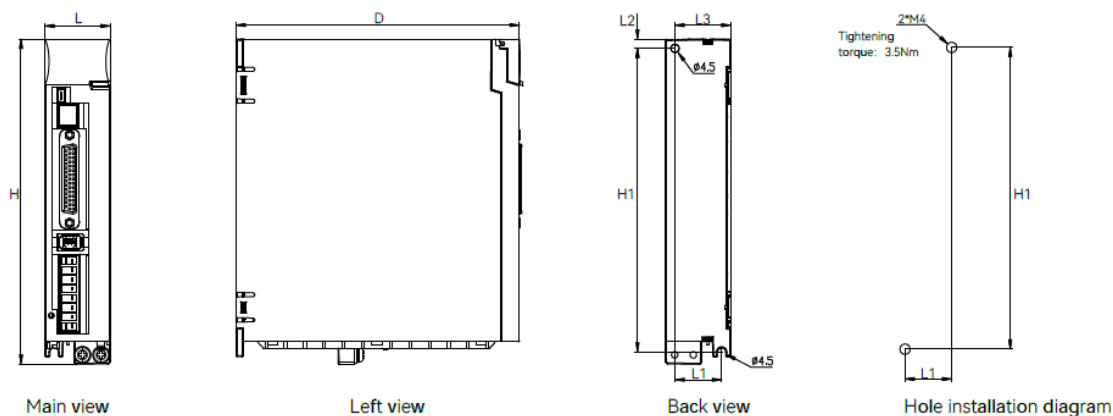
Type	MH			
Power	100W	200W	400W	750W
Flange	40	60	60	80
Model	X0MH010A	X0MH020A	X0MH040A	X0MH075A
Rated[Peak Torque](N.M)	0.32[0.80]	0.64[1.59]	1.27[3.18]	2.39[5.98]
Inertia: Without brake[brake] (×10 ⁻⁴ Kg.m ²)	0.071[0.074]	0.29[0.31]	0.56[0.58]	1.56[1.66]
RPM: Rated[Max.]	3000[5000]	3000[5000]	3000[5000]	3000[4500]
Encoder	17Bit	17Bit	17Bit	17Bit
220V	220V	220V	220V	220V
Type	MM			
Power	1000W	1500W	2000W	
Flange	130	130	130	
Model	X0MM100A	X0MM150A	X0MM200A	
Rated[Peak Torque](N.M)	4.77[9.54]	7.16[14.32]	9.55[19.1]	
Inertia: Without brake[brake] (×10 ⁻⁴ Kg.m ²)	6.18[7.4]	9.16[10.4]	12.1[13.3]	
RPM: Rated[Max.]	2000[3000]	2000[3000]	2000[3000]	
Encoder	17Bit	17Bit	17Bit	
220V	220V	220V	220V	





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4. Product drawings



Product power	L(mm)	H(mm)	D(mm)	L1(mm)	L2(mm)	L3(mm)	H1(mm)	Aperture (φ)	Screw holes	Tightening torque (Nm)	Weight (kg)
400W or less	35	174	152	25	5	30	162	4.5	M4	3.5Nm	0.75
750W/1kW	52	174	152	41	5	46	162	4.5	M4	3.5Nm	1.1
1.5kW / 2kW / 2.5kW	80	170	184	69	5	75	160	4.5	M4	3.5Nm	1.75

5. Release Model:

Servo	Model	Max. order quantity
X4EB EtherCAT Type	X4EB040A-AE	10
	X4EB075A-AE	10
	X4EB100A-AE	10
	X4EB150A-AE	10
	X4EB200A-AE	10
X4EA Pulse Type	X4EA040A-AE	10
	X4EA075A-AE	10
	X4EA100A-AE	10
	X4EA150A-AE	10
	X4EA200A-AE	10



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X0 Motor:

Product	Model	Max. order quantity
X0 Servo motor MH Type (No brake)	X0MH010A-N2CA	10
	X0MH020A-N2CA	10
	X0MH040A-N2CA	10
	X0MH075A-N2CA	10
X0 Servo motor MM Type (No brake)	X0MM100A-N2LA	10
	X0MM150A-N2LA	10
	X0MM200A-N2LA	10
X0 Servo motor MH Type (With brake)	X0MH010A-B2CA	10
	X0MH020A-B2CA	10
	X0MH040A-B2CA	10
	X0MH075A-B2CA	10
X0 Servo motor MM Type (With brake)	X0MM100A-B2LA	10
	X0MM150A-B2LA	10
	X0MM200A-B2LA	10

