

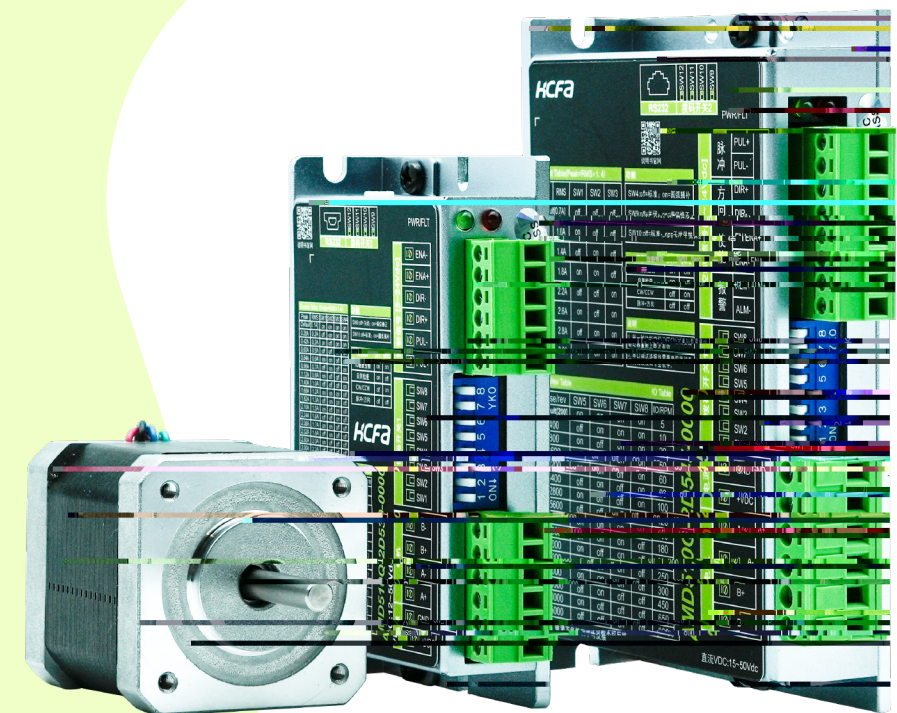
HCfa



本文件中所有信息如有变更，恕不另行通知
型录编号：2024年12月第三期

因纸质版本更新有滞后
最新产品信息请参照官网数据为准

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本手册中记载的其它产品，产品名称以及产品的商标或注册商标归各公司所有，并非本公司产品。



AM步进 系列产品

“ + + + ”

进步



Step by step,
for the better





• *AMD-510 Q*



• *AMW-510 Q*



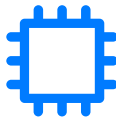
EtherCAT

• *AMD-510 B*



EtherCAT

• *AMD-520 B*



• 32 ARM



-
-
-
-

/



-
-
-

30%

AMD	
AMW	

510	
520	
580	

A	
B	EtherCAT
C	CANopen
E	485
R	PN
I	I/O
Q	+IO

2	2
3	3
5	5

A	
D	
Y	

5	5=5×10=50V

45	45=45÷10=4.5A

-	
B	2
C	3
D	4

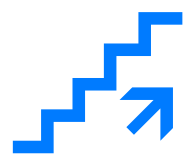
0000	-



AMD-510 Q

脉冲IO型开环步进

AMD-510Q +IO

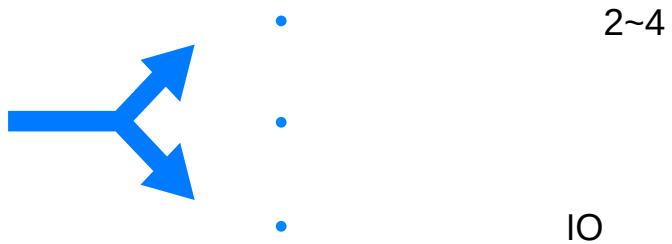


- + CW/CCW
- DC5V~24V
- NPN/PNP
-



AMW-510Q

多轴脉冲IO型开环步进

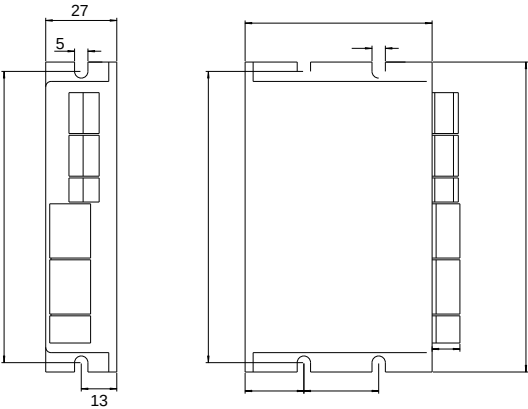


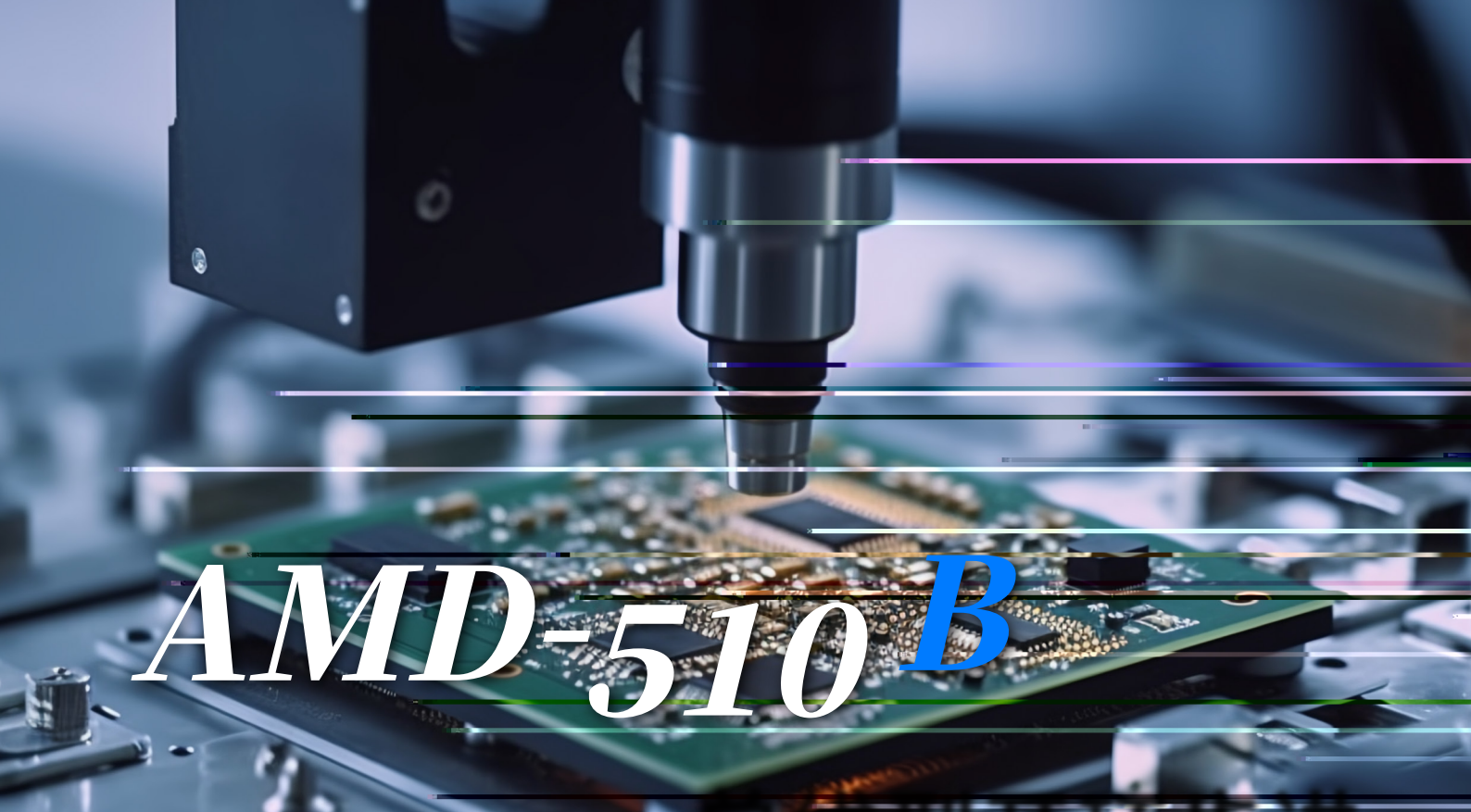
-
- 4



AMW-510Q +IO

	2	3	4
	+	+	+
	CW/CCW	CW/CCW	CW/CCW
	IO	IO	IO
	DC24V	DC24V	DC24V
()	0.7-5.2A	0.7-5.2A	0.7-5.2A
()	200-25600	200-25600	200-25600
IO	10-600rpm	10-600rpm	10-600rpm
	✓	✓	✓
/	✓	✓	✓
	×	×	×
/	-	-	-
	42-60	42-60	42-60
	116*70*27	157*76*27	116*70*42
	220g	280g	300g





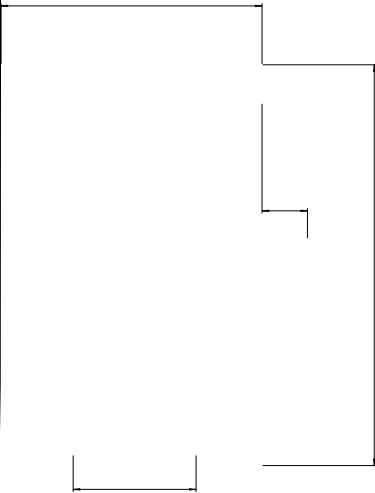
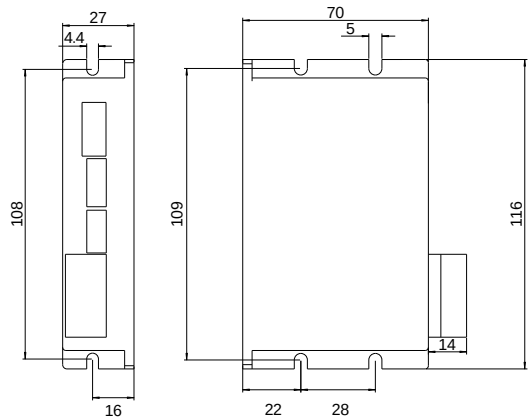
AMD-510B

总线型开环步进

-
-
-
- I/O 5IN/3OUT
-
- EtherCAT FoE

AMD-510B Ether CAT

	Ether CAT			
	CSP	PP	PV	HM
	24-75V 24V 36V 48V		24-140V 20-100V 48V 60V 75V 100V 48V 60V 75V	
()	0.3-8.4A		2.0-8.4A	
	200-51200 50000		200-51200 50000	
EtherCAT	✓		✓	
	✓		✓	
/	✓		✓	
	✓		✓	
	✓		✓	
	x		✓	
I/O	5IN/3OUT		5IN/3OUT	
/	✓		✓	
	20~86			60~110
	116*70*27			150*98*53
	200g			400g





AMD-520 B

总线型闭环步进

AMD-520B Ether CAT

	Ether CAT								
	CSP PP PV HM 27					Z			
	1000	A,B			A,B,Z			2500	5000
	24-75V 24V 36V 48V					24-140V 20-100V 48V 60V 75V 100V 48V 60V 75V			
()	0.3-8.4A					2.0-8.4A			
	200-51200	50000			200-51200			50000	
EtherCAT	✓					✓			
	✓					✓			
/	✓					✓			
	✓					✓			
	✓					✓			
	✕					✓			
I/O	5IN/3OUT					5IN/3OUT			
/	✓					✓			
	20~86					60~110			
	116*70*27					8 150*98*53			
	200g					40g			

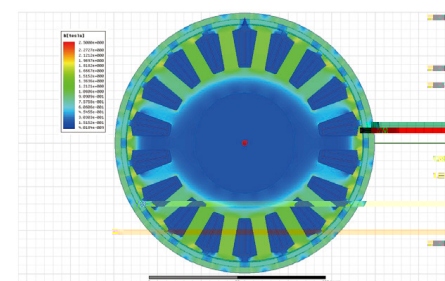
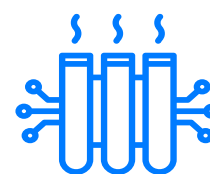
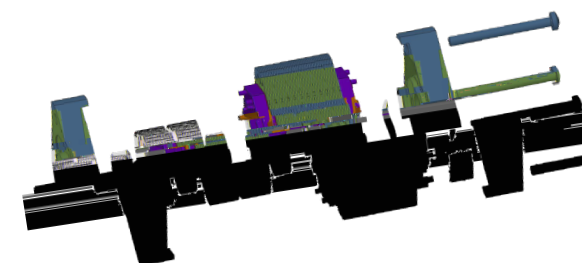
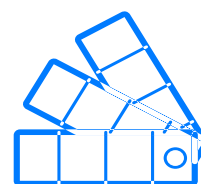
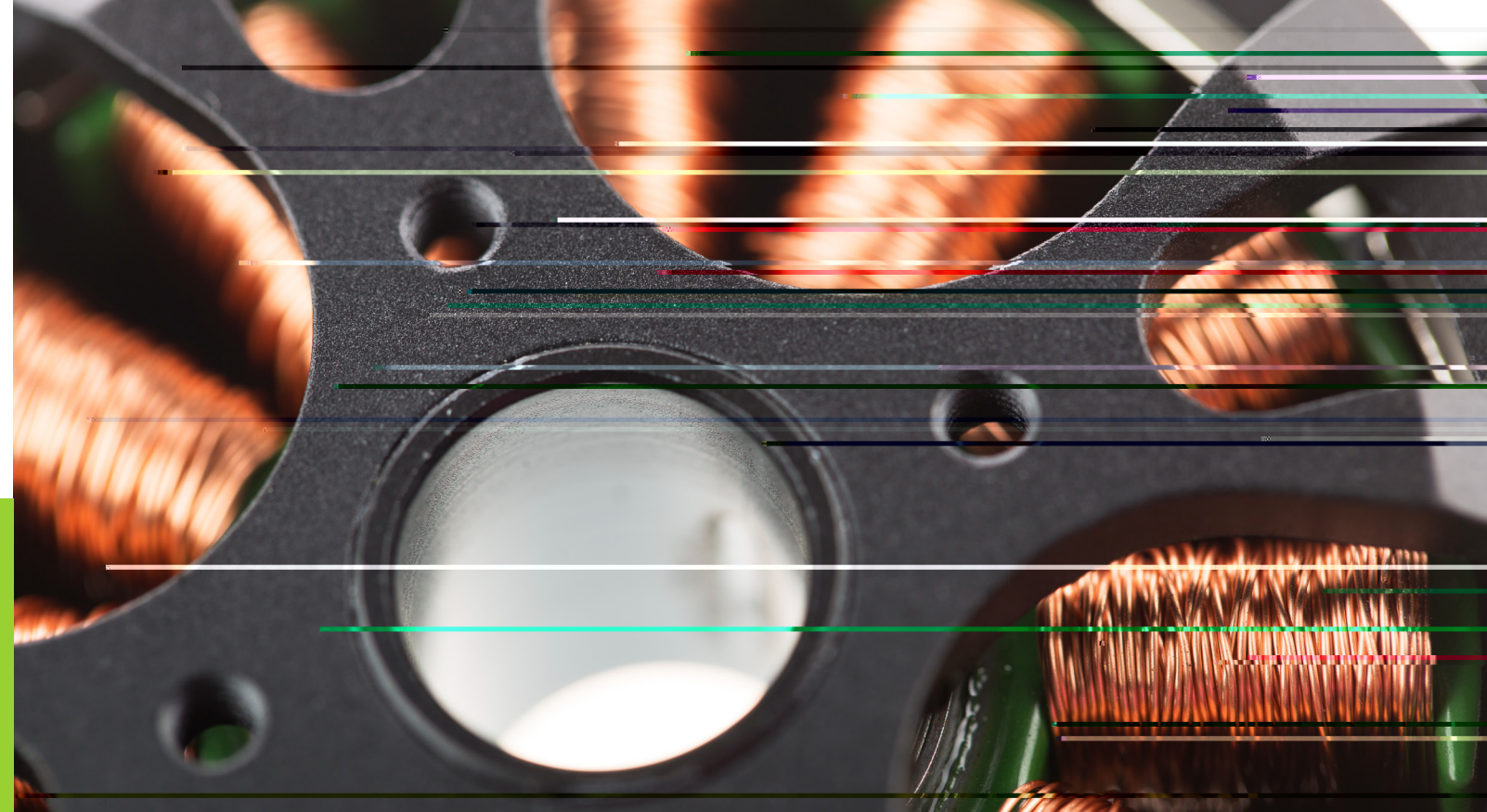


-
- 1000 A,B,Z 2500 5000
- Z
- A,B,Z
-
-
-

Z
Z
Ø
6
Z

AM

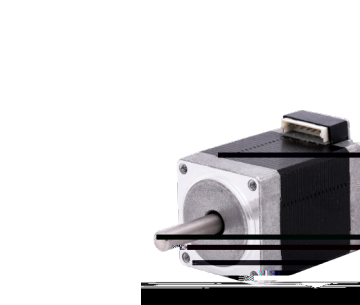
步进电机系列



AM	

510	
511	
520	(1000)
580	

A	
C	
F	IP65
J	
K	
D	()



14	14mm
20	20mm
28	28mm
35	35mm
42	42mm
57	57mm
60	60mm
86	86mm
1Y	110mm

A	2
B	2
C	3
D	3
E	5
F	5

42mm	
57mm	
60mm	
86mm	

20mm	3mm
28mm	5mm
35mm	8mm
42mm	8mm
57mm	12mm
86mm	16mm

0003	0.03N.m
...	...
1200	12.N.m
100	

	30cm
01	30cm
0C	

	20-60 /86

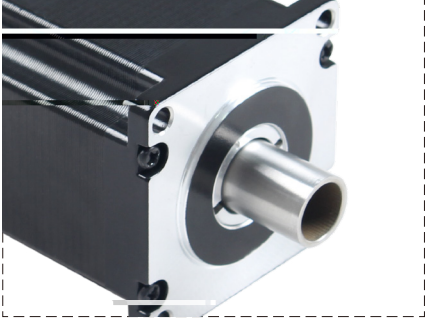
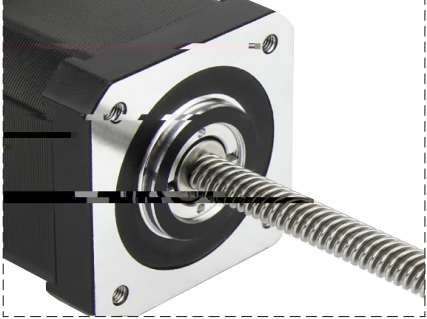
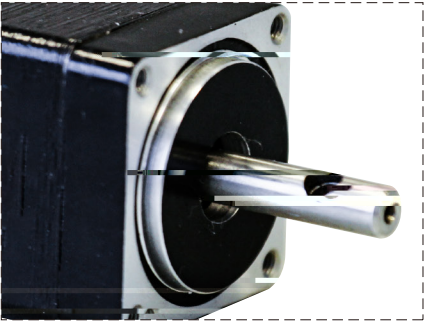
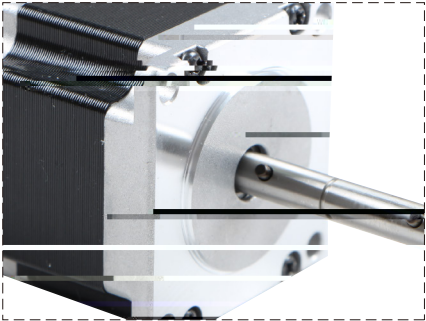
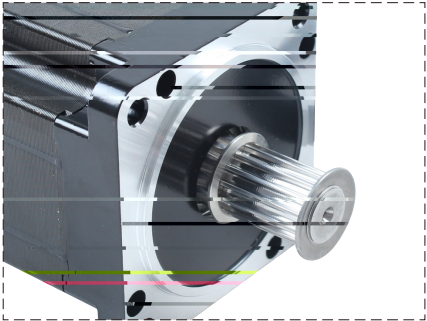
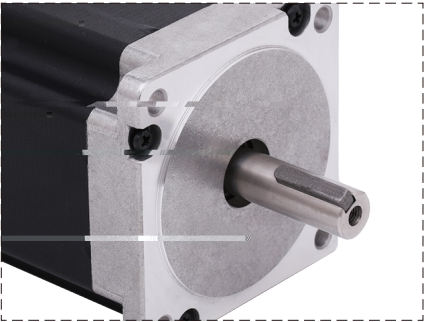
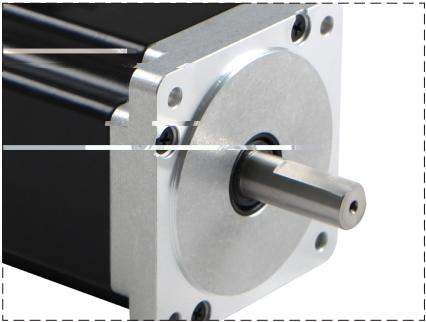
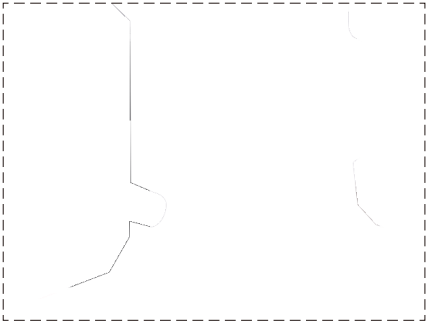
42mm	
57mm	
60mm	
86mm	

20mm	3mm
28mm	5mm
35mm	8mm
42mm	8mm
57mm	12mm
86mm	16mm

42mm	
57mm	
60mm	
86mm	



灵活定制，满足不同行业的应用场景



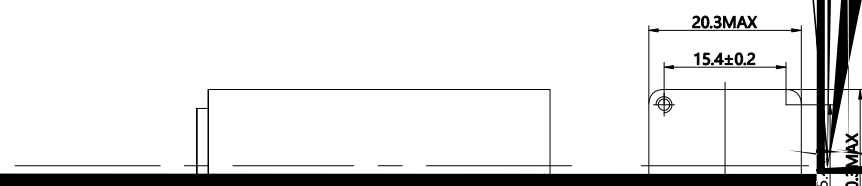
The diagram illustrates a grid structure with a blue header row and a green header column. The grid contains a sequence of green cells forming a path, with a black arrow pointing to the right. The text "M-510" is visible in the top left corner.

- 1.8°

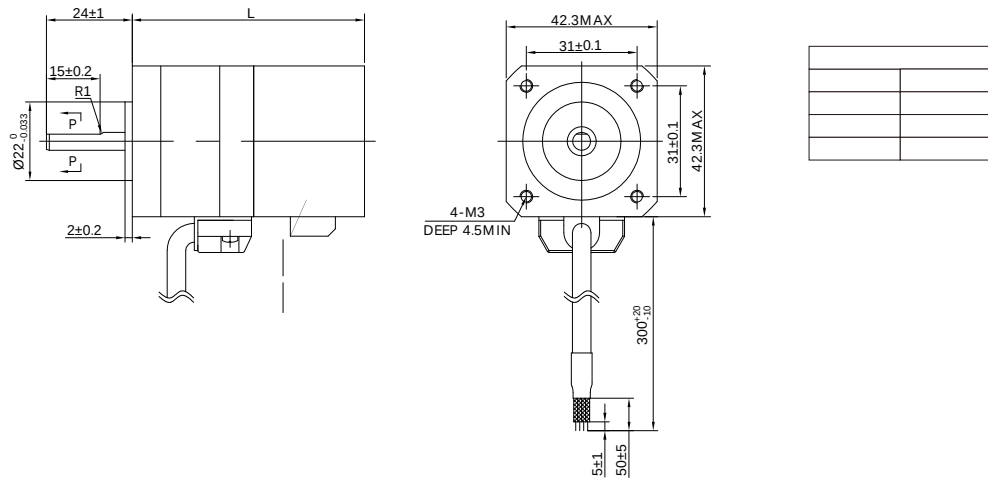
20	AM510A-20A0003-0000	45	4		0.035	0.8		3.5	0.08
AMD510Q-2D530 /IO AMD510B-2D784 EtherCAT									

28	AM510A-28A0016-0000	50	5		0.16	1	18	0.2
----	---------------------	----	---	--	------	---	----	-----

35	AM510A-35A0020-0000	33	5		0.2	1	20	0.166
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42	AM510A-42B0025-0000	65	5		0.25	1.5	38	0.41
	AM510A-42B0045-0000	71	5		0.45	1.5	58	0.48
	AM510A-42B0060-0000	79	5		0.6	1.8	85	0.54
	AM510A-42B0086-0000	92	5		0.86	1.8	115	0.68
AMD510Q-2D545		/IO	AMD510B-2D784	EtherCAT				



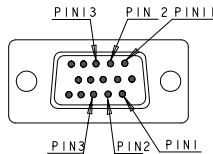
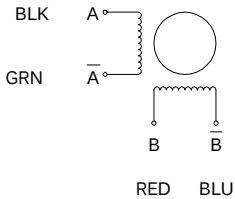
57	AM510A-57B0120-0000	96	6.35		1.2	2.8	280	1.15
	AM510A-57B0200-0000	117	8		2	5	460	1.5
	AM510A-57B0250-0000	126	8		2.5	5	530	1.75
AMD510Q-2D545		/IO	AMD510B-2D784	EtherCAT				

60	AM510A-60B0220-0000	106	8		2.2	5	570	1.44
	AM510A-60B0320-0000	126	8		3.2	5	900	1.86
AMD510Q-2D545 /IO AMD510B-2D784 EtherCAT AMD510B-2Y1084 EtherCAT								

86	AM510A-86B0450-0000	120	12.7		4.5	6	1850	2.75
	AM510A-86B0850-0000	158	12.7		8.5	6	3500	4.45
	AM510A-86B1200-0000	198	14		12	6	4500	5.95
AMD510Q-2D884		/IO	AMD510B-2D784	EtherCAT	AMD510B-2Y1084		EtherCAT	

--	--	--	--	--	--	--	--	--

60	AM520A-60A0360-0000	109	8		3.6	5.6	860	1.6



	3	2	13	1	12	11
	/			/		/
	GND	VCC(5V)	EA-	EA+	EB-	EB+

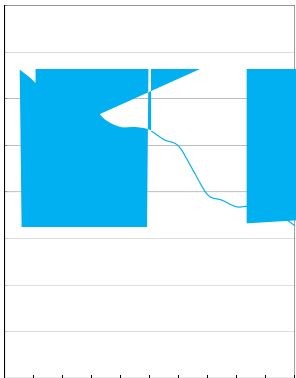
86	AM520A-86A0450-0000	96	14		4.5	6	1400	2.5
	AM520A-86A0850-0000	133	14		8.5	6	2700	3.8
	AM520A-86A1200-0000	171	14		12	6	4000	5.5

		A+	VCC	GND	B+	B-	A-	
		/	/	/	/	/	/	/
	A	1	2	3	11	12	13	A DB15pin
AMCAB-ENC1-***L-05	B	3	1	2	5	6	4	B PHB-7*2P=14pin
AMCAB-ENC2-***L-05	B							B Z

- AMCAB-ENC1-***L-05 A D-SUB B PHB

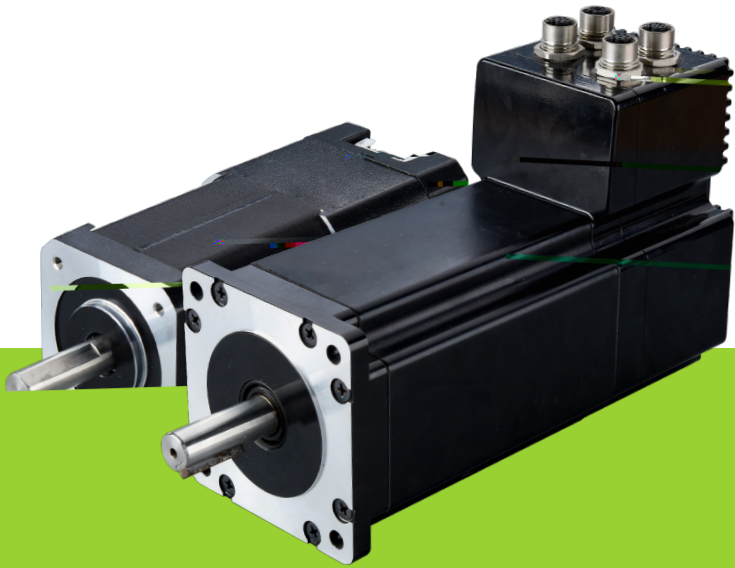


- AMCAB-ENC2-***L-05 A D-SUB B



AMZ-

集成步进电机系列



40%



50%

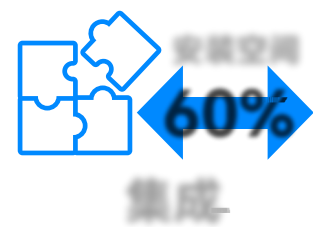


IP65
()

+IO	42	0.4	AMZ510A-42Q0040
		0.8	AMZ510A-42Q0080
	57	1.2	AMZ510A-57Q0120
		2.2	AMZ510A-57Q0220
RS485	42	0.4	AMZ510A-42E0040
		0.8	AMZ510A-42E0080
	57	1.2	AMZ510A-57E0120
		2.0	AMZ510A-57E0200
() +IO	42	0.4	AMZ521A-42Q0040
		0.8	AMZ521A-42Q0080
	57	1.0	AMZ521A-57Q0100
		2.2	AMZ521A-57Q0220
1000p +IO	57	1.0	AMZ520A-57Q0100
		2.2	AMZ520A-57Q0220
RS485	42	0.4	AMZ521A-42E0040
		0.8	AMZ521A-42E0080
	57	1.2	AMZ521A-57E0120
		2.0	AMZ521A-57E0200
1000p EtherCAT	57	1.2	AMZ520F-57B0120
		2.8	AMZ520F-57B0280
	60	4.0	AMZ520F-60B0400
		4.5	AMZ520F-86B0450
	86	8.5	AMZ520F-86B0850
		12	AMZ520F-86B1200

精巧集成, 灵活扩展

全新小型运动控制解决方案不二之选



4

IO
≈4

30%

