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HCFA

HCFA ATC

2026

5

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299

Hangzhou R & D Center: No. 299 Lixin Road, Qingshanhu Street, Hangzhou City, Zhejiang Province

EthŁrCAT®

X5-SERVO

进阶交流伺服驱动样本

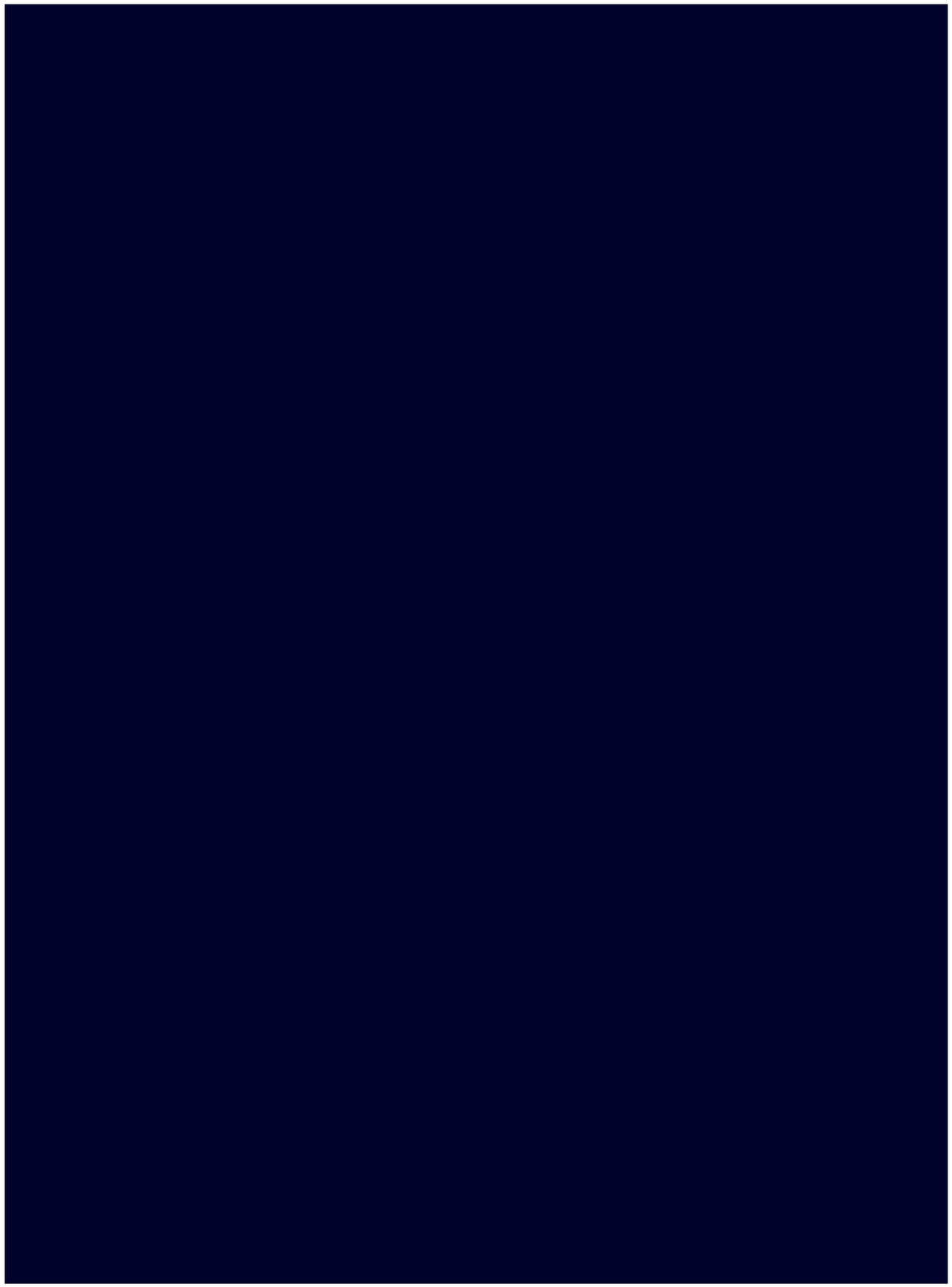
EtherCAT

PROFINET

CANopen

HCFA

禾川科技



丰富的运动控制总线

X

EthĻrCAT　　CANopĻn

PROFINET

简单易用!

安全可靠!

DB(DynĔmiı BrĔkĻ)

STO(SĔfĻ TorquĻ Of)

SV-X5 E B 040 A - A 0 - 00

1 2 3 4 5 6 7 8

1 产品系列

2 机型	
E	
F	

3 控制类型	
A	
B	EtherCAT
N	CANopLn
R	PROFINET

4 驱动功率	
010	100W
040	400W
075	750W
100	1KW
150	1.5KW
200	2KW
250	2.5KW
300	3.0KW
500	5.0KW
750	7.5KW

5	
A	220V
T	380V

6	
A	

7	
0	

8	
00	
CO	EB FB
CS	FA

- **AC220V**

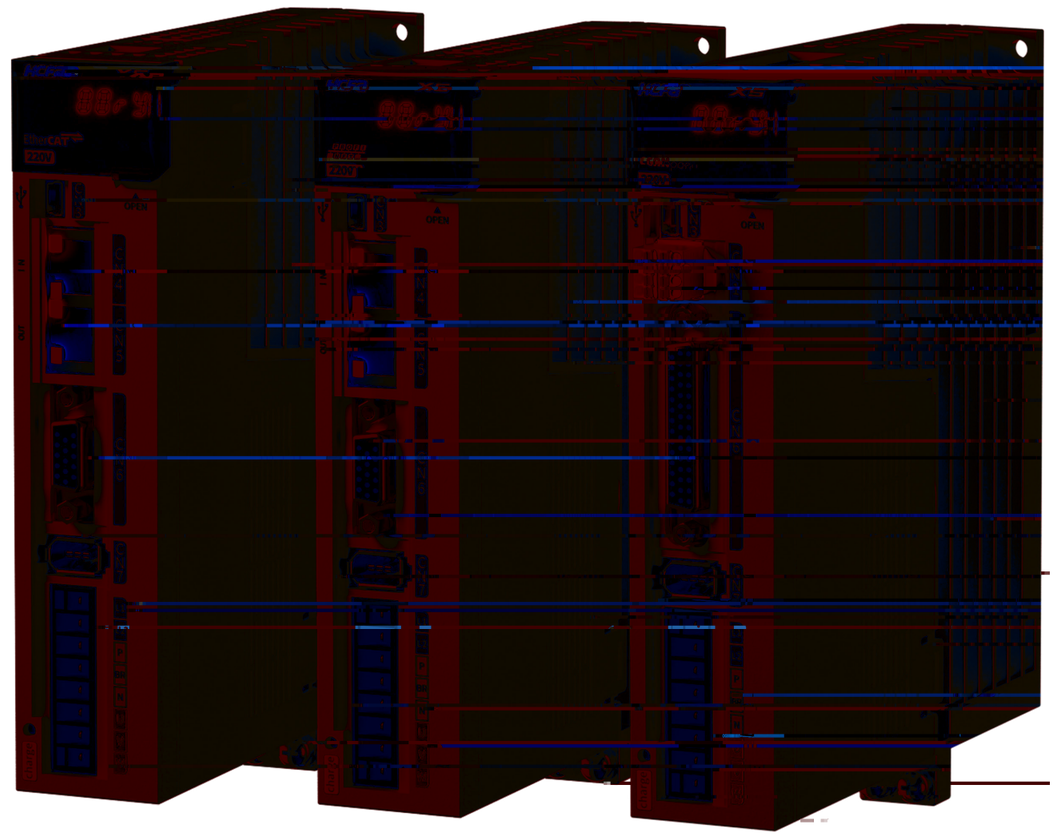
100W　　2.5KW

- **AC380V**

2KW　3KW　　7.5KW

丰富的
运动控制总线

采用核心自研芯片，除主流的 EthĻrCAT 通讯方式外，X5 进阶型伺服系统还支持 CANOPEN、PROFINET 通讯，可以与各种控制系统灵活搭配。

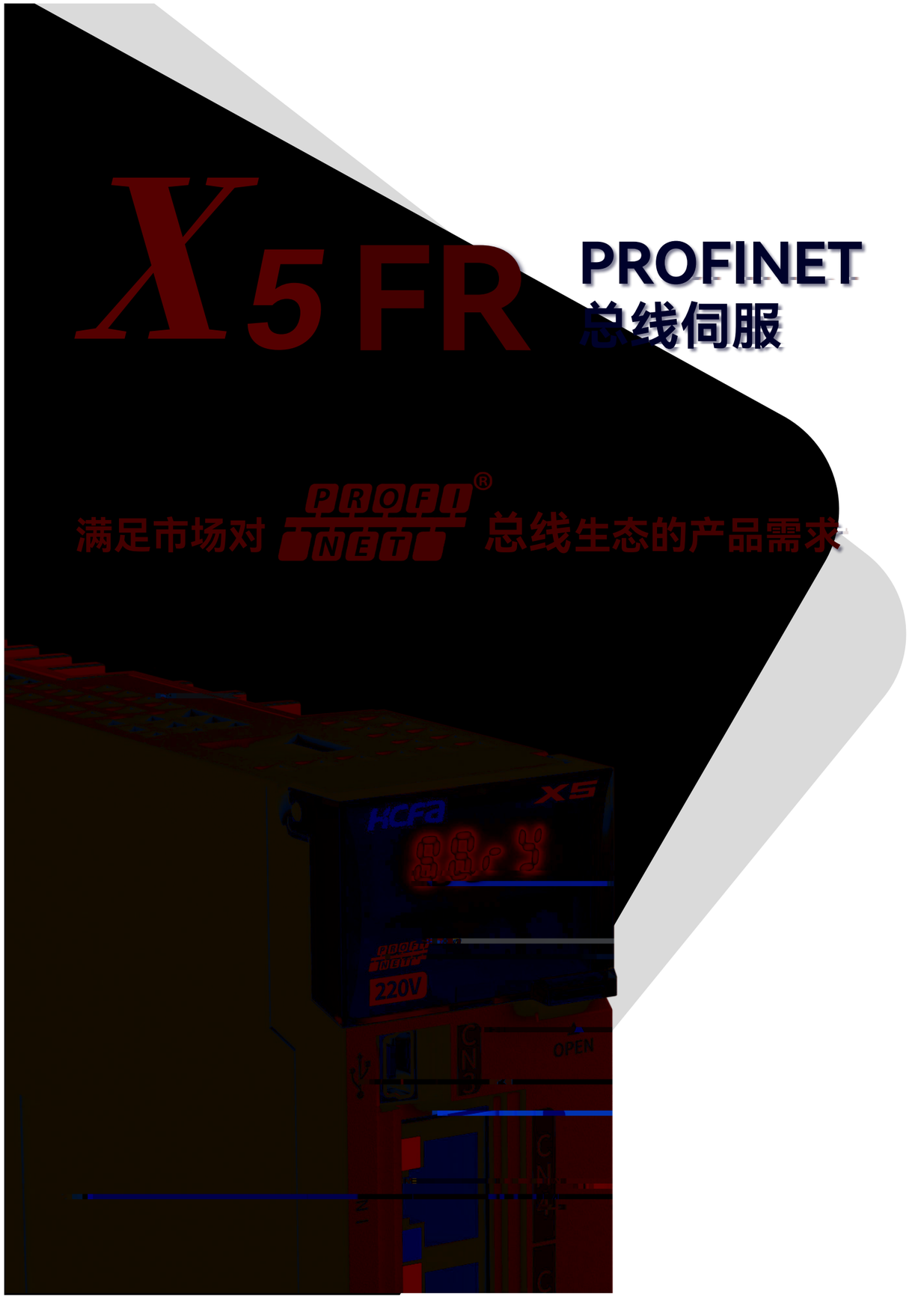


EtherCAT　PROFINET　CANopen

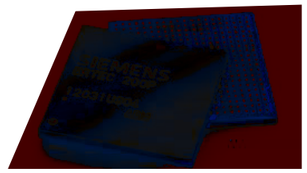
X5 FR

PROFINET 总线伺服

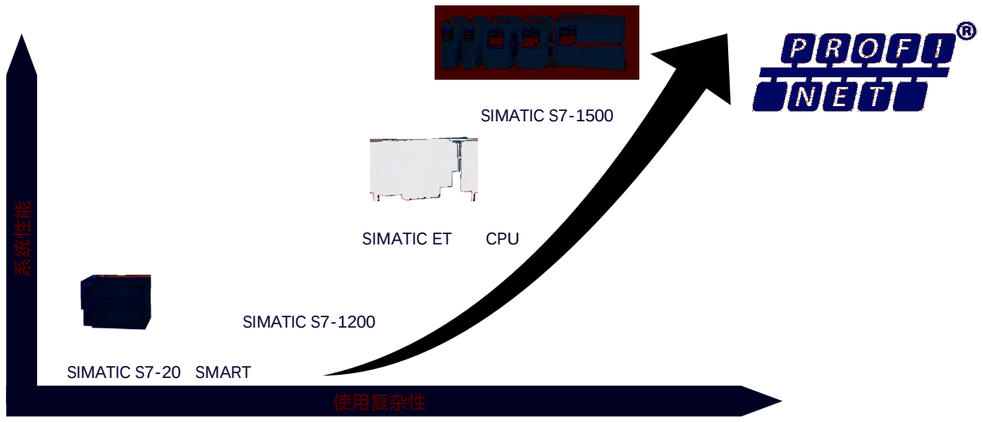
满足市场对 PROFINET 总线生态的产品需求



- 采用西门子公司ERTEC200P专用芯片方案
- 具有更广泛的功率和电机机种选择
- 具有更高的控制精度，最大可达23BIT分辨率
- 多样的报文选择，可实现各种控制方式

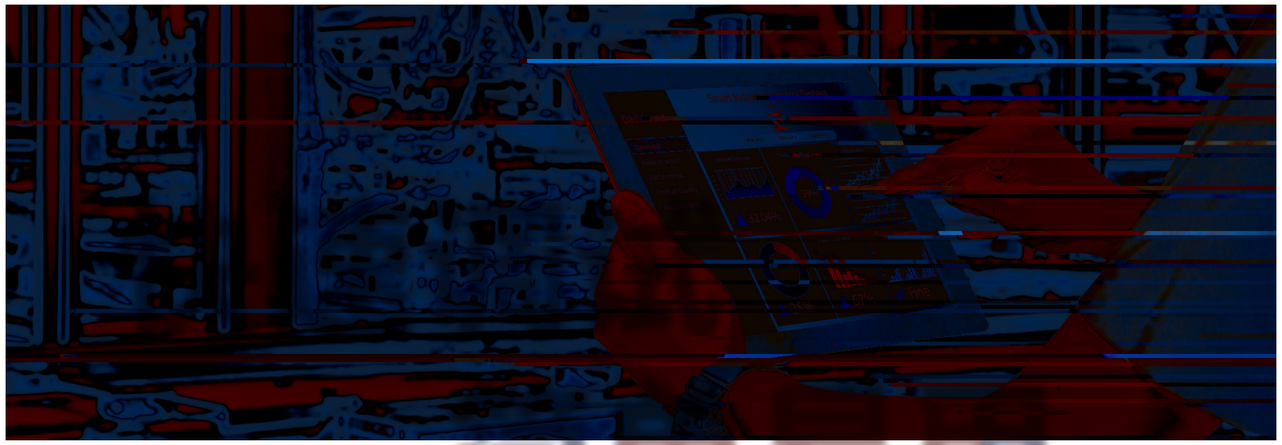


报文	标准报文1	标准报文2	标准报文3	西门子报文102	西门子报文105	西门子报文110	西门子报文111	西门子报文750
是否支持	√	-	√	√	√	-	√	√



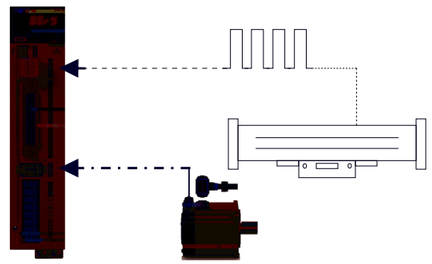
- 遵循标准PROFIDRIVE行规，无论是简单的单轴控制，还是复杂的多轴同步运动控制，X5PN系列可完美适配S7-200 Smart、S7-1200、S7-1500 与 Simotion 等西门子PN总线PLC。
- 更小同步周期，最小同步周期达500us，实现精准的伺服过程控制

传输距离	实时通讯	等时通讯	同步周期
100 米	RT	IRT	500 μs



簡単易用

FA

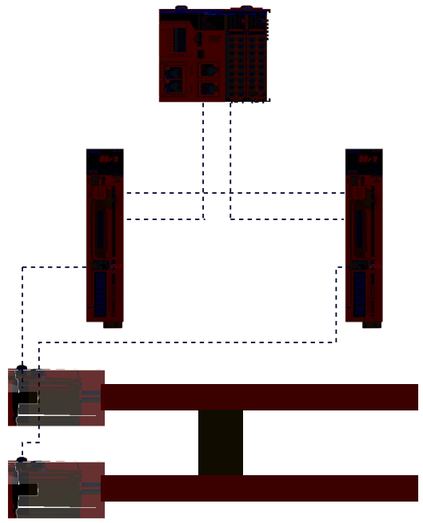


P .

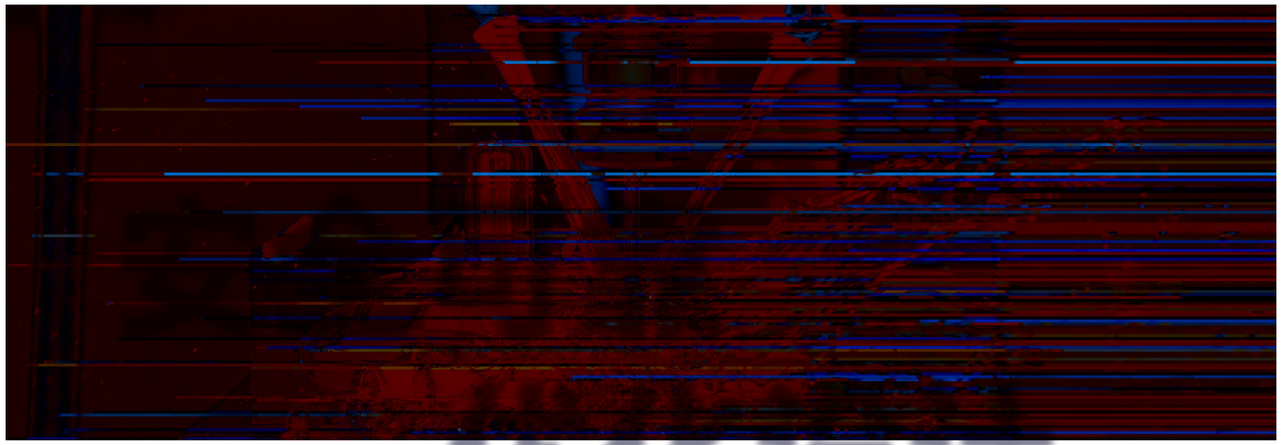
FA

P ~

P .



CN1	5V	
	GND	
	A+	5M 4
	A-	
	B+	
	B-	
	PE	

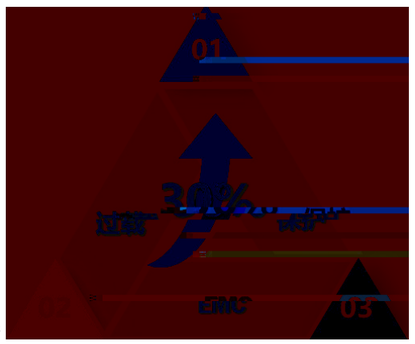


优化设计

EMC

EMC

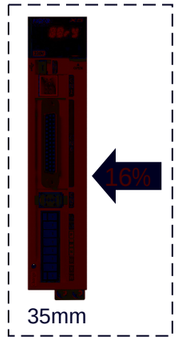
30%



EMC W

X E . - mA X . mA

DB Dynamic Brake

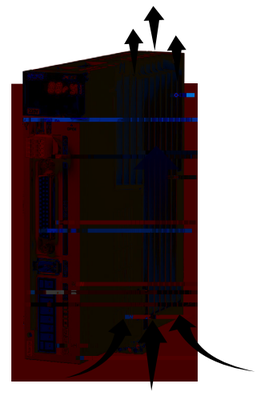


X

W

16%

STO Safe Torque O f



	DC V ON
	DC V
	MHz ns kHz . us
	(NPN PNP)
	A B CW CCW
	DC V ON

■ AC220V 基本规格

SV-X E□***A-A - 注1		010	040	075	100	150	200	250
W		100	400	750	1000	1500	2000	2500
Arms		1.2	3	4.5	6	10	12.5	15.6
Arms		3.6		13.5	18	30	37.5	37.5
		~ V ~ Hz				~ V ~ Hz		
	(Ω)	-	-	-	-	40	40	40
	(W)	-	-	-	-	100	100	100
	(Ω)	≥	≥	≥	≥	≥	≥	≥
		III						

注：□内标识控制类型，A为脉冲型，B为EtherCAT，N为CANopen，R为PROFINET

■ AC220V驱动器型号规格表

		EtherCAT	CANopen	PROFINET		
0.1	SV-X □A A-A -	SV-X □B A-A -	SV-X EN A-A -	SV-X FR A-A -	AC V	
0.4	SV-X □A A-A -	SV-X □B A-A -	SV-X EN A-A -	SV-X FR A-A -		
0.75	SV-X □A A-A -	SV-X □B A-A -	SV-X EN A-A -	SV-X FR A-A -		
1	SV-X □A A-A -	SV-X □B A-A -	SV-X EN A-A -	SV-X FR A-A -		
1.5	SV-X □A A-A -	SV-X □B A-A -	SV-X EN A-A -	SV-X FR A-A -	AC V	AC220V
2	SV-X □A A-A -	SV-X □B A-A -	SV-X EN A-A -	SV-X FR A-A -		
2.5	SV-X □A A-A -	SV-X □B A-A -	SV-X EN A-A -	SV-X FR A-A -		

注：□内E为标准型、F为全功能型

■ AC380V 基本规格

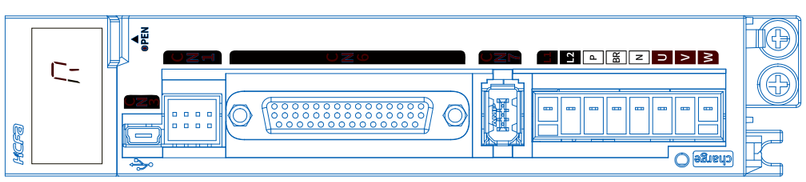
SV-X E□***T-A -		200	300	500	750
W		2000	3000	5000	7500
Arms			12	17	26
Arms		22.5	30	42.5	65
		~ V ~ Hz			
	(Ω)	50	50	35	35
	(W)	80	80	100	100
	(Ω)	45	40	35	25
		III			

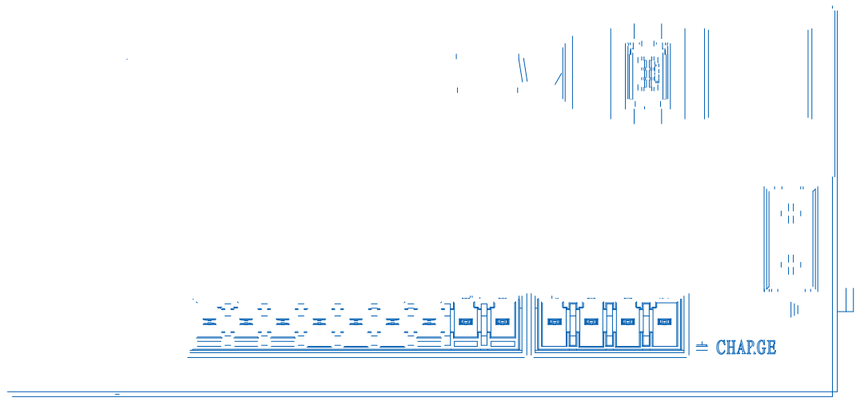
注：□内标识控制类型，A为脉冲型，B为EtherCAT，N为CANopen，R为PROFINET

■ AC380V驱动器型号规格表

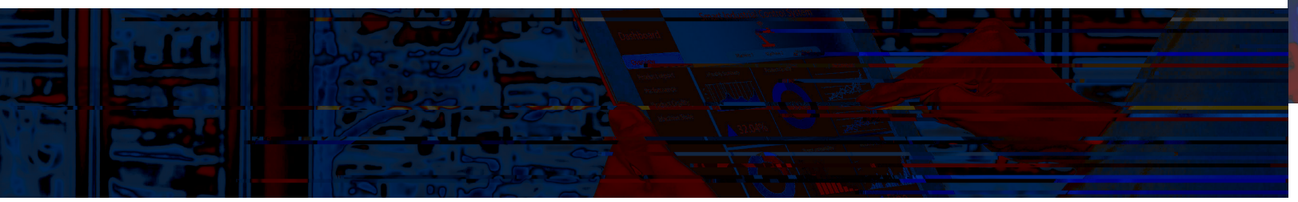
		EtherCAT	CANopen	PROFINET		
2	SV-X □A T-A -	SV-X □B T-A -	SV-X EN T-A -	SV-X FR T-A -	AC V	AC380V
3	SV-X □A T-A -	SV-X □B T-A -	SV-X EN T-A -	SV-X FR T-A -		
5	SV-X □A T-A -	SV-X □B T-A -	SV-X EN T-A -	SV-X FR T-A -		
7.5	SV-X □A T-A -	SV-X □B T-A -	SV-X EN T-A -	SV-X FR T-A -		

注：□内E为标准型、F为全功能型

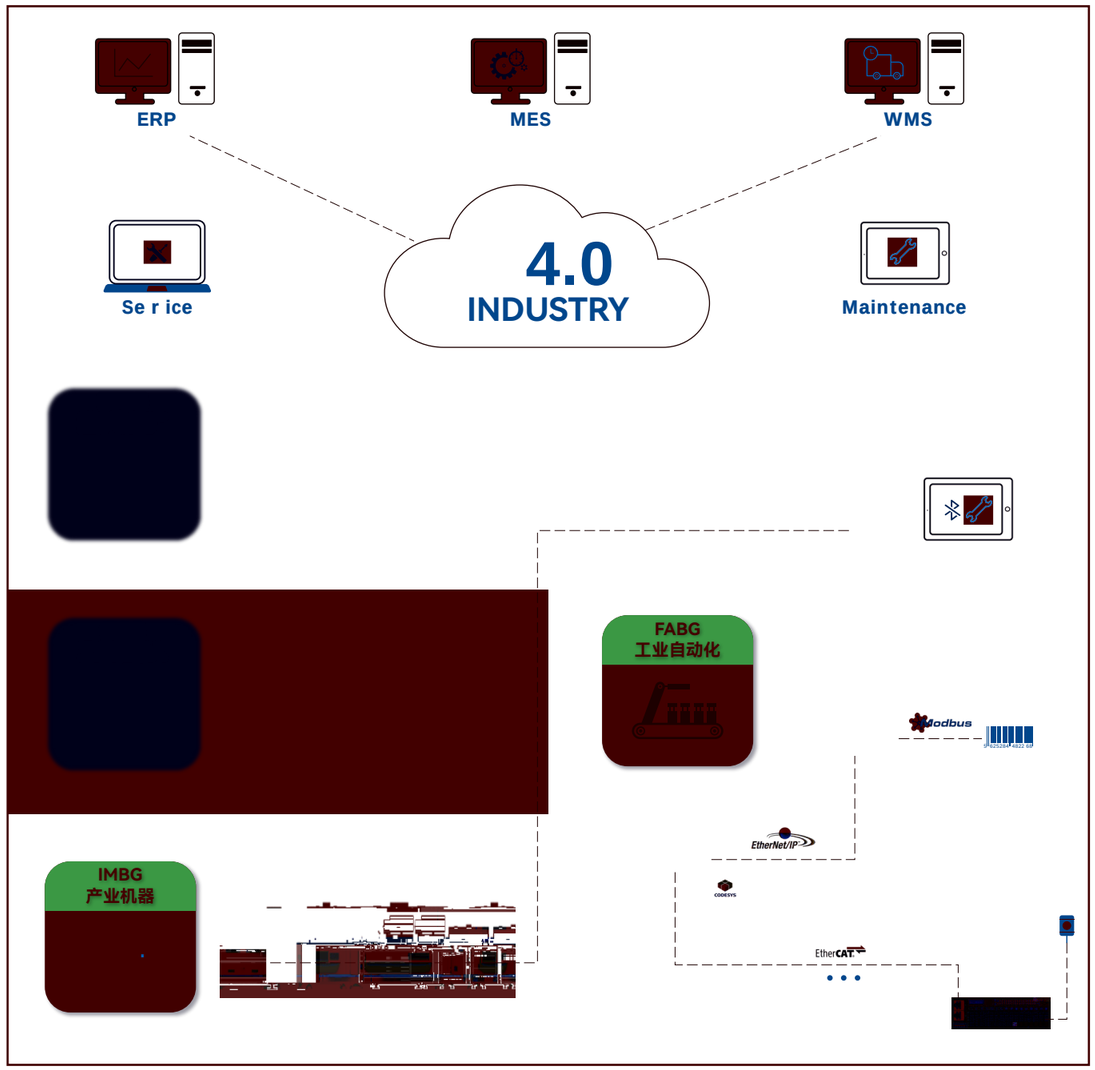
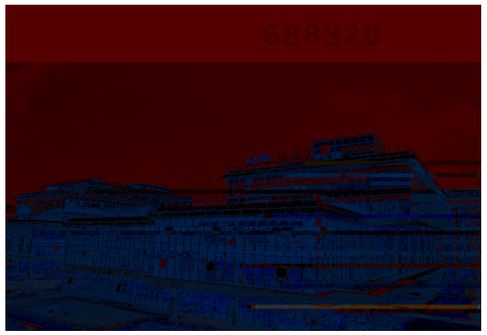
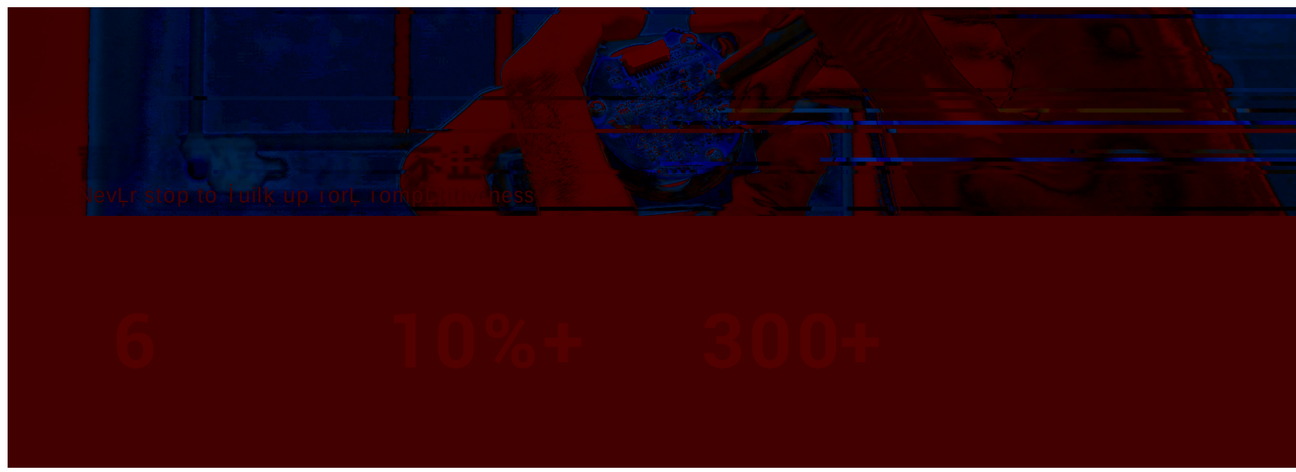

charge


CHARGE

主电源AC380V



自动化+智能装备+数字化



2011