

ISMC



Expert of Micro Servo

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ISMC Customer
Service



Tik tok

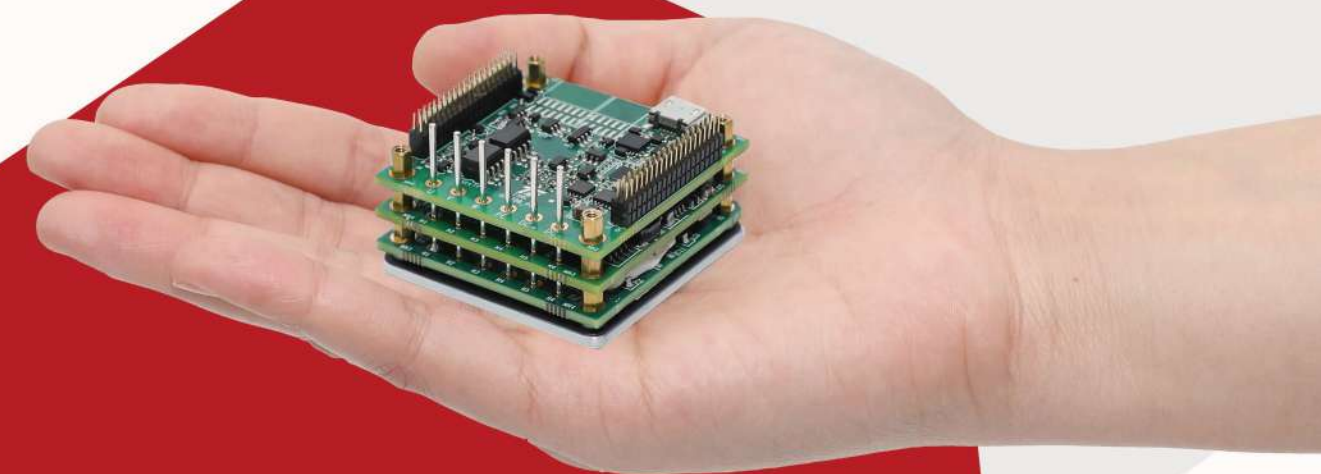


ISMC Wechat



Micro Servo Drive Catalogue

Make machines simpler, more efficient and intelligent



ISMC

BUILD A MORE INTELLIGENT WORLD WITH PRECISE MICRO-SERVO
AND DRIVE INDUSTRY UPGRADING

ISMC

COMPANY PROFILE

ISMC is the micro-servo expert, focusing on the R&D, manufacturing and sales of high-power-density servo (micro-servo) related products; the company takes the vision of making machine simpler, more efficient and intelligent, focus on the challenges and pressure that customers face to, continue to create value for customers relying on original technology innovation and providing competitive solutions and services. Based on the product quality of European standard, international product innovation and expert service, intense to make the core parts smaller, more precise and modularization. ISMC want to contribute to improving the automation degree for industry of China or even the world through leading the innovation of servo product.

The company's founding team comes from the world's top 500 front-line R&D teams. It has product R&D management, production management and quality management systems that meet international standards. ISMC has get nearly 20 micro-servo related patents. Products of ISMC have passed IEC 61800, CE and ROHS and other international certifications. ISMC has launched the micro-servo drive Diamond, Diamond Plus, Diamond Plus pin series; multi-axis micro-servo drive Ruby, Ruby Plus series; general servo drive Sapphire series; embedded servo drive Amber series etc.

ISMC also can provide international quality customization services for high-end customers, ISMC products have been used by more than 500 large equipment manufacturers. ISMC products are applied to various high-tech industries that have extremely high requirements for response speed, accuracy (force control accuracy, position accuracy, speed accuracy), consistency, and reliability, including electronics manufacturing, semiconductors, lithium batteries, photovoltaics, medical care device, robotics, aviation Aerospace, automated automobile production, automated warehousing, automated logistics, rail transit, new energy vehicles and other industries.

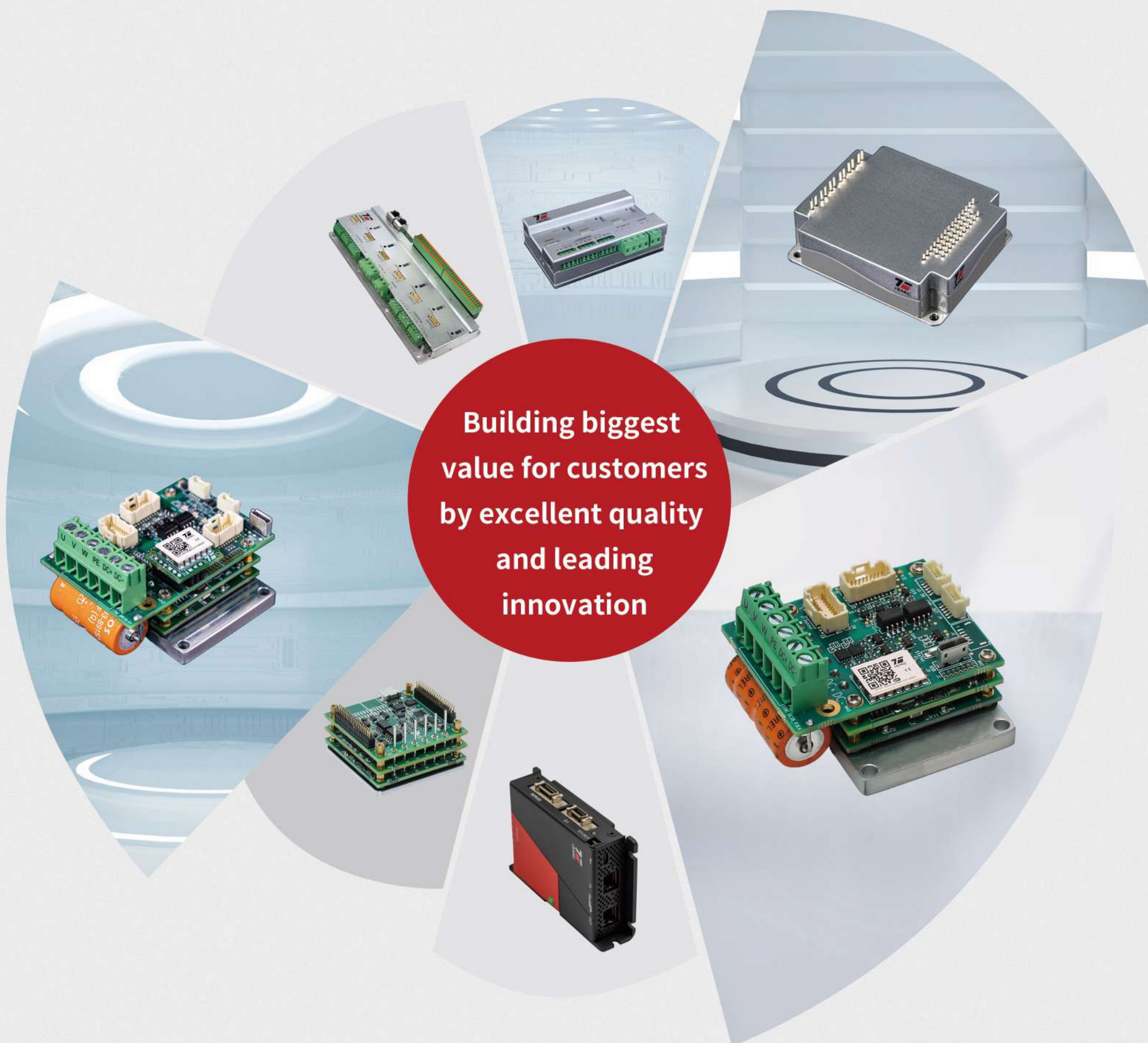
More than 20
micro-servo related patents



PRODUCT FEATURES

- **Small size (high power density)**
Minimum size 40*40*26mm, rated power up to 750w, instantaneous power up to 3kw
- **High bandwidth**
Current loop bandwidth 4500HZ, speed loop bandwidth 1500HZ
- **High precision**
Can reach 10 mA high precision current control
- **Low EMC**
Meet the medical industry EMC standard level
- **Low power consumption**
Efficiency reaches to 99%
- **Wide temperature range**
Standard 0 °C~+50 °C, low temperature -40 °C~+50 °C, ultra-low temperature -55 °C~+50 °C
- **High quality**
Satisfy IEC 61800 standard, pass CE and ROHS certification
- **Strong adaptability to the mainstream controllers**
Support EtherCAT, CANopen, Modbus, Pulse input, Analog input
Support CIA 402 protocol, can be adapted to standard controllers of Beckhoff, Omron, ACS, Kollmorgen, Schneider, Advantech and domestic mainstream manufacturers
- **Wide range of motor feedback adaptation**
Support Incremental Encoder, Hall sensor, Rotary Absolute Encoder(BISS-C,SSI,Endat2.1/2.2,Tamagawa,Nikon,Sanyo, Panasonic,BISS-B*),Linear Absolute Encoder, Sin/Cos 12 bit (16 bit*), resolver
- **Strong motor compatibility**
Support rotary servo motors, DD motors (torque motors), frameless motors, voice coil motors, linear motors, brushless motors, coreless motors, stepping motors and gear motors

Building biggest value for customers by excellent quality and leading innovation



APPLICATIONS

• Industry characteristics

Industries need compact space, light load, high precision, high performance and high reliability

• Typical applications

Electronic manufacturing equipment (mobile phone, screen inspection, acoustic inspection, optical inspection, vision, SMT patch, dispensing, spot welding, plug-in, AOI, screen printing), semiconductor equipment (lithography inspection, wafer dicing, chip picking, film loading, wire welding, sorting and taping), Lithium battery equipment, photovoltaic equipment, precision lasers, robots, medical equipment, aviation and aerospace equipment



3C electronic manufacturing equipment



Semiconductor equipment



Lithium battery equipment



Photovoltaic equipment



Robotics



Medical equipment



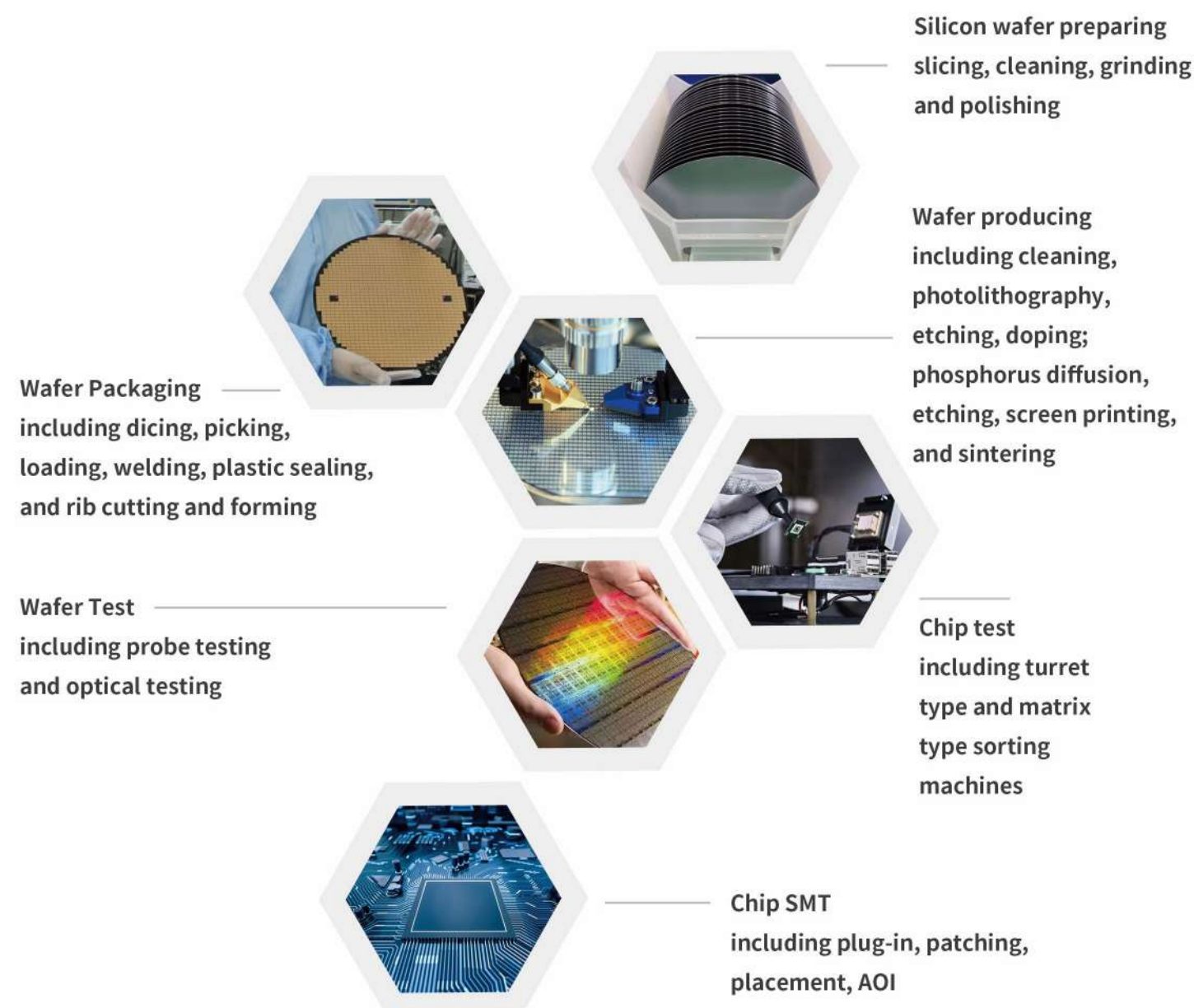
Precise laser equipment



Aviation and Aerospace equipment

APPLICATION SCENARIOS

• whole process section of lithium, 3C , photovoltaic and semiconductor equipment



PRODUCT INTRODUCTION



DIAMOND SERIES SERVO DRIVE

Power range of Diamond series low-voltage DC servo is 0-750W; Support EtherCAT, CANopen, Modbus and analog control; Support 6 digital inputs, 4 digital outputs, 2 analog inputs; Support incremental encoder, Hall sensor, rotary absolute encoder (Tamagawa). At the same time, it supports rotary servo motor, DD motor (torque motor), frameless motor, voice coil motor, linear motor, brushless motor, brushed motor, coreless motor, stepping motor, geared motor, etc.

MODEL DEFINITION

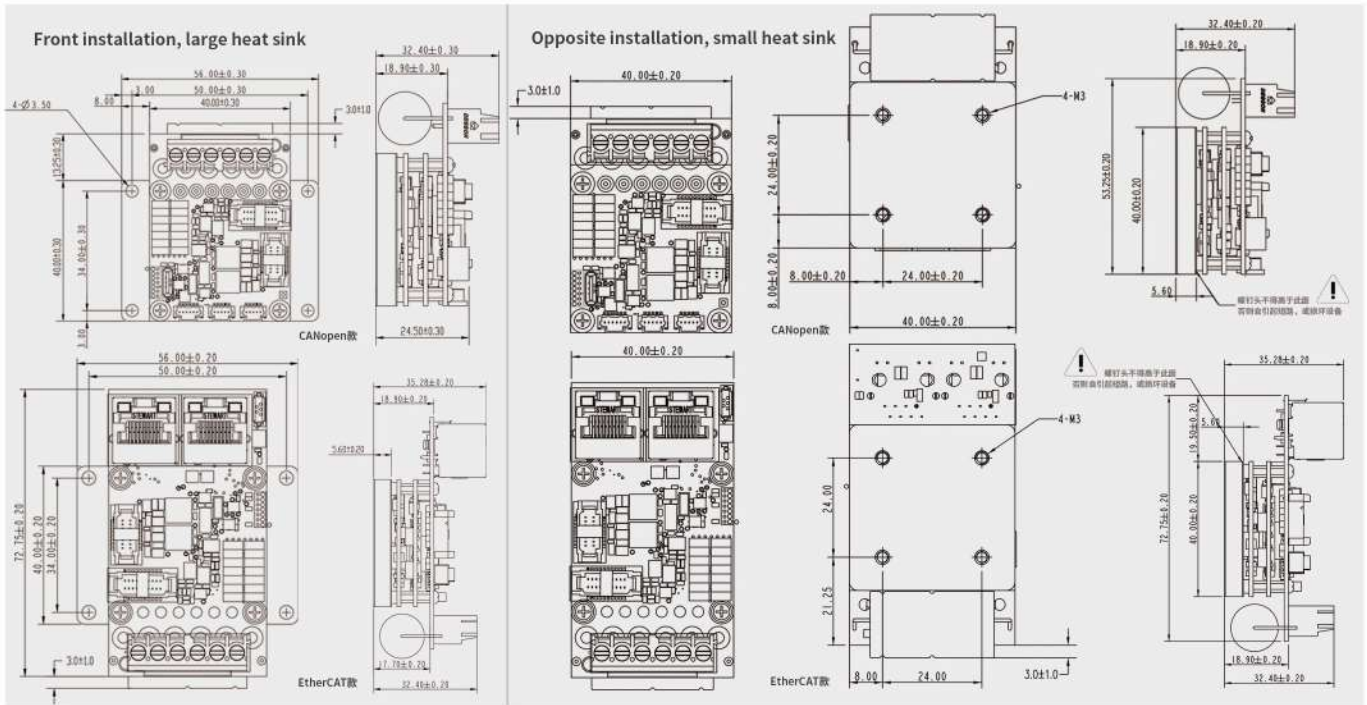
S DS 01 - A 010 E A 0 0 0 A

- S: Standard
- Product series: DS: Diamand Standard
- No of axes: 01: Single
- Rated input power voltage: A: DC48V
- Output current: 001: 1A 005: 5A 010: 10A 020: 20A
- Communicaiton way: E: EtherCAT C: CANopen+Modbus+Analog
- STO function: A:without STO(default);S: with STO
- Special function: 0:without special function(default)
- Appearance Structure: 0:default 1*customized structure
- Working temperature: 0: 0~50°C 1: -40~50°C 2: -55~50°C
- Encoder feedback: A: incremental encoder, Hall sensor, rotary absolute encoder(Tamagawa)

Note: Please consult seperately if with*
1. Appearance structure: 0: default- high power terminal, large heat sink; 1: customized - high power terminal, small heat sink;

PRODUCT SPECIFICATION

Product reference		SDS01-A001	SDS01-A005	SDS01-A010	SDS01-A020
Output Power	Rated power (W)	50	200	400	750
	Continuous current(A)	1	5	10	20
	Instantaneous peak current(A)	2.5	12.5	25	50
	Instantaneous peak current duration (S)	3	3	3	3
Input voltage	Rated input voltage (VDC)	12-60			
	Maximum input voltage(VDC)	72			
Control method	Bus	EtherCAT、CANopen、Modbus			
	Debugging	USB			
Motor feedback	Incremental encoder, Hall sensor, rotary absolute encoder (Tamagawa)				
Digital I/O	Input	isolated 6 channels			
	Output	isolated 4 channels			
Analog	Input	-10V~+10V, 2 channels,12 bit resolution			
Status Display	Bi-color LED : red, green				
Motor control	Three-loop control of position, speed and current, current loop 50 μs , position/speed loop 200 μs				
Failure protection	Short circuit, overcurrent, overtemperature, overvoltage, undervoltage, overspeed, encoder communication error, etc.				
Size	0: CANopen: 56mm*53mm*32mm	EtherCAT: 56mm*73mm*35mm			
	1*: CANopen: 40mm*53mm*32mm	EtherCAT: 40mm*73mm*35mm			
Weight	0: CANopen: 81g EtherCAT: 97g	1*: CANopen: 73g EtherCAT: 88g			





DIAMOND PLUS SERIES SERVO DRIVE

Power range of Diamond PLUS series low-voltage DC servo is 0-750W; Support EtherCAT, CANopen, Modbus, Pulse and analog control; Support 6 digital inputs, 4 digital outputs, 2 analog inputs; Support incremental encoder, Hall sensor, rotary absolute encoder (BISS-C, SSI, Endat2.1/2.2, Tamagawa, Nikon, Sanyo, Panasonic, BISS-B), Sin/Cos12bit, *linear absolute encoder (BISS-C, SSI, Endat2.1/2.2), Sin/Cos(*16bit) and Resolver.

At the same time, it supports rotary servo motor, DD motor (torque motor), frameless motor, voice coil motor, linear motor, brushless motor, brushed motor, coreless motor, stepping motor, geared motor, etc.

MODEL DEFINITION

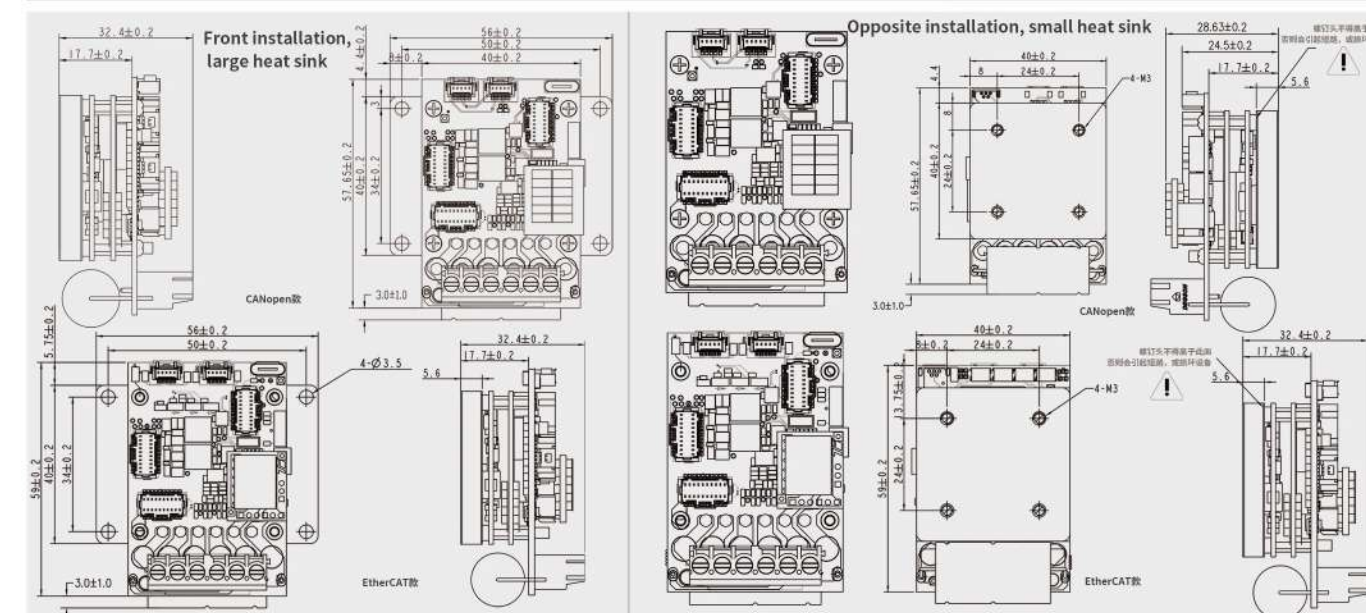
S DP 01 - A 010 E B 0 0 0 A

- S: Standard
- Product series: DP: Diamond plus
- No of axes: 01: Single
- Rated input power voltage: A: DC48V
- Output current: 001: 1A 005: 5A 010: 10A 020: 20A
- Communication way: E: EtherCAT C: CANopen+Modbus+Pulse+Analog
- STO function: A: without STO (default); S: with STO
- Special function: 0: without special function (default) 1: support Frequency dividing output, shooting on the fly
- Appearance Structure: 0: default 1* customized structure
- Working temperature: 0: 0~50°C 1: -40~50°C 2: -55~50°C
- Encoder feedback: A: incremental encoder, Hall sensor, rotary absolute encoder (Tamagawa) B: incremental encoder, Hall sensor, rotary absolute encoder (BISS-C, SSI, Endat2.1/2.2, Tamagawa, Nikon, Sanyo, Panasonic, BISS-B), Sin/Cos12bit, *linear absolute encoder (BISS-C, SSI, Endat2.1/2.2) R: *resolver

Note: Please consult separately if with*
1. Appearance structure: 0: default- large power terminal, large heat sink; 1: customized- high power terminal, small heat sink

PRODUCT SPECIFICATION

Product reference		SDP01-A001	SDP01-A005	SDP01-A010	SDP01-A020
Output Power	Rated power (W)	50	200	400	750
	Continuous current(A)	1	5	10	20
	Instantaneous peak current(A)	2.5	12.5	25	50
	Instantaneous peak current duration (S)	3	3	3	3
Input voltage	Rated input voltage (VDC)	12-60			
	Maximum input voltage(VDC)	72			
Control method	Bus	EtherCAT、CANopen、Modbus			
	Pulse input	Pulse+direction for position control,PWM for speed/current control			
	Debugging	USB			
Motor feedback	A: incremental encoder, Hall sensor,rotary absolute encoder(Tamagawa)				
	B: incremental encoder, Hall sensor,rotary absolute encoder(BISS-C, SSI, Endat2.1/2.2, Tamagawa, Nikon, Sanyo, Panasonic, BISS-B),Sin/Cos12bit,*linear absolute encoder(BISS-C, SSI, Endat2.1/2.2)				
	R:*resolver				
Digital I/O	Input	isolated 6 channels			
	Output	isolated 4 channels			
Analog	Input	-10V~+10V, 2 channels,12 bit resolution			
Status Display	Bi-color LED : red, green				
Motor control	Three-loop control of position, speed and current, current loop 50 μs , position/speed loop 200 μs				
Failure protection	Short circuit, overcurrent, overtemperature, overvoltage, undervoltage, overspeed, encoder communication error, etc				
Size	0: CANopen: 56mm*58mm*32mm	EtherCAT: 56mm*59mm*32mm			
	1*: CANopen: 40mm*58mm*32mm	EtherCAT: 40mm*59mm*32mm			
Weight	0-: CANopen: 84g	EtherCAT: 85g	1*-: CANopen: 69g	EtherCAT: 71g	





DIAMOND PLUS SERIES PIN TYPE SERVO DRIVE

Power range of Diamond PLUS series Pin type low-voltage DC servo is 0-750W; Support EtherCAT, CANopen, Modbus, Pulse and analog control; Support 6 digital inputs, 4 digital outputs, 2 analog inputs; Support incremental encoder, Hall sensor, rotary absolute encoder (BISS-C, SSI, Endat2.1/2.2, Tamagawa, Nikon, Sanyo, Panasonic, BISS-B), Sin/Cos 12bit, *linear absolute encoder (BISS-C, SSI, Endat2.1/2.2), Sin/Cos(*16bit) and Resolver.

At the same time, it supports rotary servo motor, DD motor (torque motor), frameless motor, voice coil motor, linear motor, brushless motor, brushed motor, coreless motor, stepping motor, geared motor, etc.

MODEL DEFINITION

S DP 01 - A 010 C B 0 3 0 A

S: Standard

Product series:
DP: Diamond Plus

No of axes:
01: Single

Rated input power voltage:
A: DC48V

Output current:
001: 1A 005: 5A
010: 10A 020: 20A

Communication way:
E: EtherCAT
C: CANopen+Modbus+Pulse+Analog

STO function:
A: without STO (default); S: with STO

Special function:
0: without special function (default)
1: support Frequency dividing output, shooting on the fly

Appearance Structure:
3: small heat sink and pin output type, without interface board

Working temperature:
0: 0~50°C 1: -40~50°C
2: -55~50°C

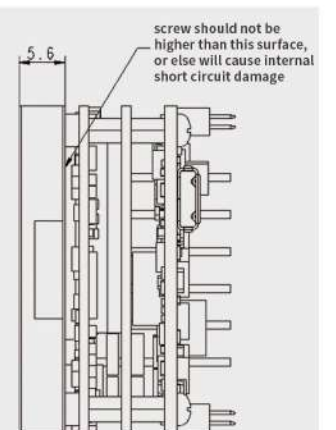
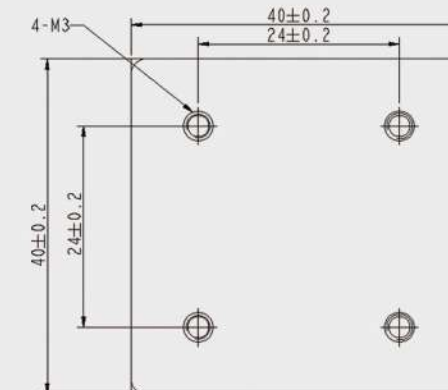
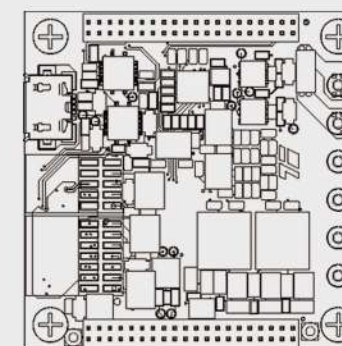
Encoder feedback:
B: incremental encoder, Hall sensor, rotary absolute encoder (BISS-C, SSI, Endat2.1/2.2, Tamagawa, Nikon, Sanyo, Panasonic, BISS-B), Sin/Cos 12bit, *linear absolute encoder (BISS-C, SSI, Endat2.1/2.2)

Note: Interface board accessories can be purchased separately, please consult the sales person for the model.

PRODUCT SPECIFICATION

Product reference		SDP01-A001	SDP01-A005	SDP01-A010	SDP01-A020
Output Power	Rated power (W)	50	200	400	750
	Continuous current(A)	1	5	10	20
	Instantaneous peak current(A)	2.5	12.5	25	50
	Instantaneous peak current duration (S)	3	3	3	3
Input voltage	Rated input voltage (VDC)	12-60			
	Maximum input voltage(VDC)	72			
Control method	Bus	EtherCAT, CANopen, Modbus			
	Pulse input	Pulse+direction for position control,PWM for speed/current control			
	Debugging	USB			
Motor feedback	B: incremental encoder, Hall sensor,rotary absolute encoder(BISS-C, SSI, Endat2.1/2.2, Tamagawa, Nikon, Sanyo, Panasonic, BISS-B),Sin/Cos12bit,*linear absolute encoder(BISS-C, SSI, Endat2.1/2.2)				
Digital I/O	Input	isolated 6 channels			
	Output	isolated 4 channels			
Analog	Input	-10V~+10V, 2 channels,12 bit resolution			
Motor control	Three-loop control of position, speed and current, current loop 50 μs , position/speed loop 200 μs				
Failure protection	Short circuit, overcurrent, overtemperature, overvoltage, undervoltage, overspeed, encoder communication error, etc.				
Size	CANopen: 40mm*40mm*26mm EtherCAT: 40mm*40mm*26mm				
Weight	CANopen: 45g EtherCAT: 46g				

Opposite installation



CANopen/EtherCAT



AMBER SERIES SERVO DRIVE

Power range of Amber series low-voltage DC servo is 0-400W; Support CANopen, Single-ended Pulse and analog control; Support 6 digital inputs, 2 digital outputs, 1 analog input; Support incremental encoder, Hall sensor.

At the same time, it supports rotary servo motor, DD motor (torque motor), frameless motor, voice coil motor, linear motor, brushless motor, brushed motor, coreless motor, stepping motor, geared motor, etc.

MODEL DEFINITION

S AS 01 - A 010 C A 0 0 0 A

S:Standard

Product series:
AS:Amber Standard

No of axes:
01: Single

Rated input power voltage:
A:DC48V

Output current:
001: 1A
005: 5A
010: 10A

Communicaiton way:
C: CANopen+Pulse+Analog

• STO function:
A:without STO(default);S: with STO

• Special function:
0:without special function(default)

• Appearance Structure:
0:pin type, with housing,without interface board

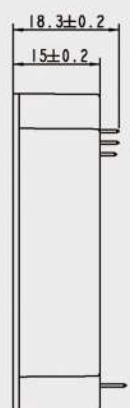
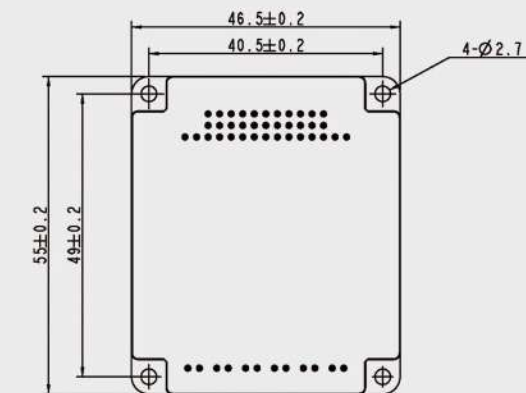
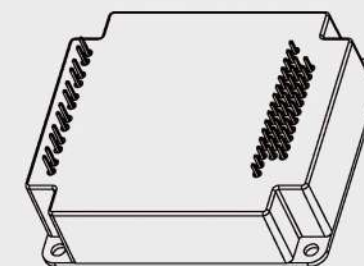
• Working temperature:
0: 0~50°C 1: -40~50°C
2: -55~50°C

• Encoder feedback:
A: incremental encoder, Hall sensor

Note: Interface board accessories can be purchased separately, please consult the sales person for the model.

PRODUCT SPECIFICATION

Product reference		SAS01-A001	SAS01-A005	SAS01-A010
Output Power	Rated power (W)	50	200	400
	Continuous current(A)	1	5	10
	Instantaneous peak current(A)	2.5	12.5	25
	Instantaneous peak current duration (S)	3	3	3
Input voltage	Rated input voltage (VDC)	12-60		
	Maximum input voltage(VDC)	72		
Control method	Bus	CANopen		
	Pulse input	Pulse+direction for position control,PWM for speed/current control (1 channel, single-ended)		
	Debugging	USB		
Motor feedback	incremental encoder, Hall sensor			
Digital I/O	Input	isolated 6 channels		
	Output	isolated 2 channels		
Pulse input	5V single-ended			
Analog	Input	-10V~+10V, 1 channel,12 bit resolution		
Motor control	Three-loop control of position, speed and current, current loop 50 μs , position/speed loop 200 μs			
Failure protection	Short circuit, overcurrent, overtemperature, overvoltage, undervoltage, overspeed, encoder communication error, etc.			
Size	55mm*47mm*18mm			
Weight	67g			



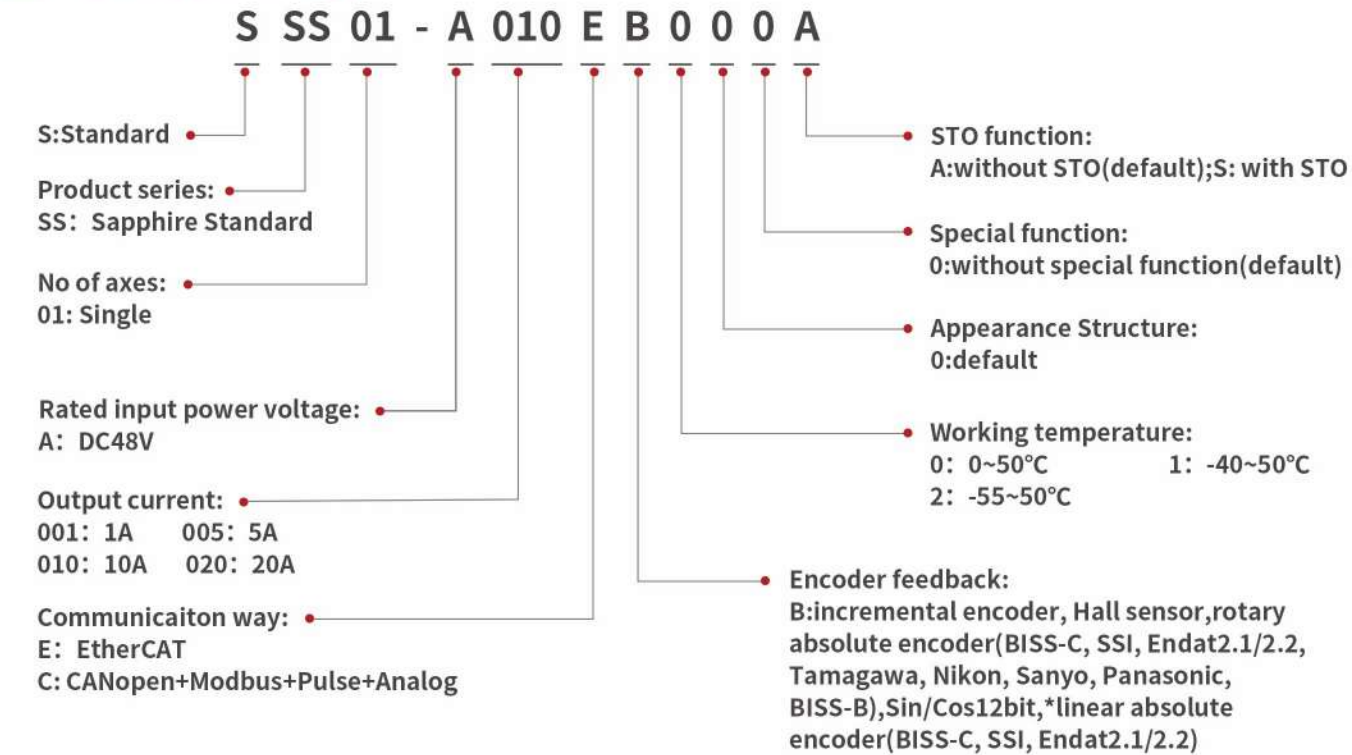


SAPPHIRE SERIES SERVO DRIVE

Power range of Sapphire series low-voltage DC servo is 0-750W; Support EtherCAT, CANopen, Modbus, Pulse and analog control; Support 6 digital inputs, 2 digital outputs, 2 analog inputs; Support incremental encoder, Hall sensor, rotary absolute encoder (BISS-C, SSI, Endat2.1/2.2, Tamagawa, Nikon, Sanyo, Panasonic, BISS-B), Sin/Cos12bit, *linear absolute encoder(BISS-C, SSI, Endat2.1/2.2).

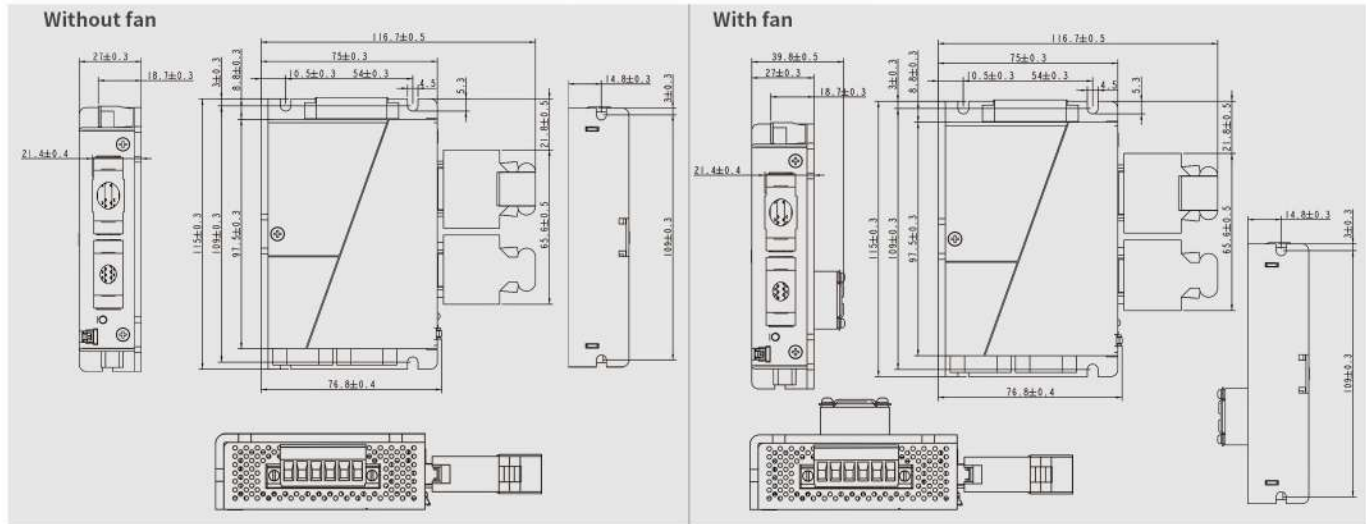
At the same time, it supports rotary servo motor, DD motor (torque motor), frameless motor, voice coil motor, linear motor, brushless motor, brushed motor, coreless motor, stepping motor, geared motor, etc.

MODEL DEFINITION



PRODUCT SPECIFICATION

Product reference		SSS01-A001	SSS01-A005	SSS01-A010	SSS01-A020(with fan)
Output Power	Rated power (W)	50	200	400	750
	Continuous current(A)	1	5	10	20
	Instantaneous peak current(A)	2.5	12.5	25	50
	Instantaneous peak current duration (S)	3	3	3	3
Input voltage	Rated input voltage (VDC)	12-60			
	Maximum input voltage(VDC)	72			
Control method	Bus	EtherCAT、CANopen、Modbus			
	Pulse input	Pulse+direction for position control,PWM for speed/current control			
	Debugging	USB			
Motor feedback	B: incremental encoder, Hall sensor,rotary absolute encoder(BISS-C, SSI, Endat2.1/2.2, Tamagawa, Nikon, Sanyo, Panasonic, BISS-B),Sin/Cos12bit,*linear absolute encoder(BISS-C, SSI, Endat2.1/2.2)				
Digital I/O	Input	isolated 6 channels			
	Output	isolated 2 channels			
Analog	Input	-10V~+10V, 2 channels,12 bit resolution			
Status Display	Bi-color LED : red, green				
Motor control	Three-loop control of position, speed and current, current loop 50 μs , position/speed loop 200 μs				
Failure protection	Short circuit, overcurrent, overtemperature, overvoltage, undervoltage, overspeed, encoder communication error, etc.				
Size	115mm*75mm*27mm(without fan);115mm*75mm*37mm(with fan)				
Weight	282g(without fan);293g(with fan)				



Note: Please consult seperately if with*

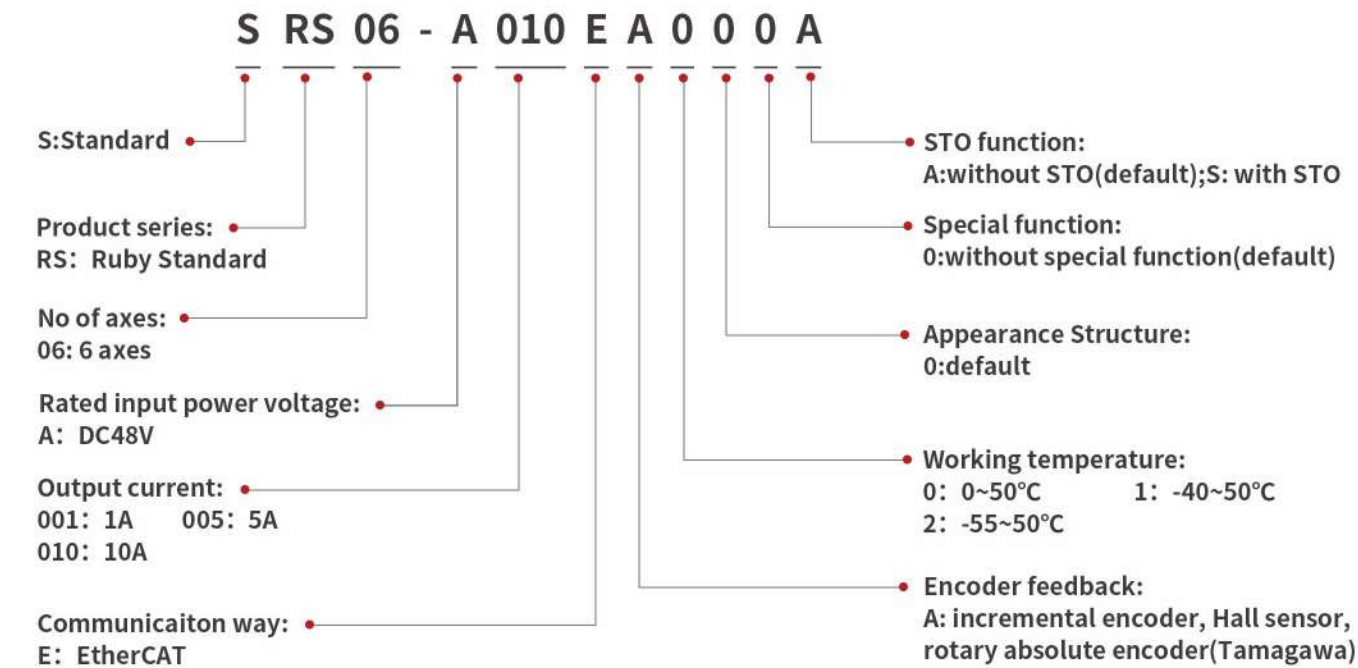


RUBY SERIES SERVO DRIVE

Power range of RUBY series low-voltage DC servo is 0-400W; Support EtherCAT control; Support 36 digital inputs, 24 digital outputs, 12 analog inputs; Support incremental encoder, Hall sensor and rotary absolute encoder (Tamagawa).

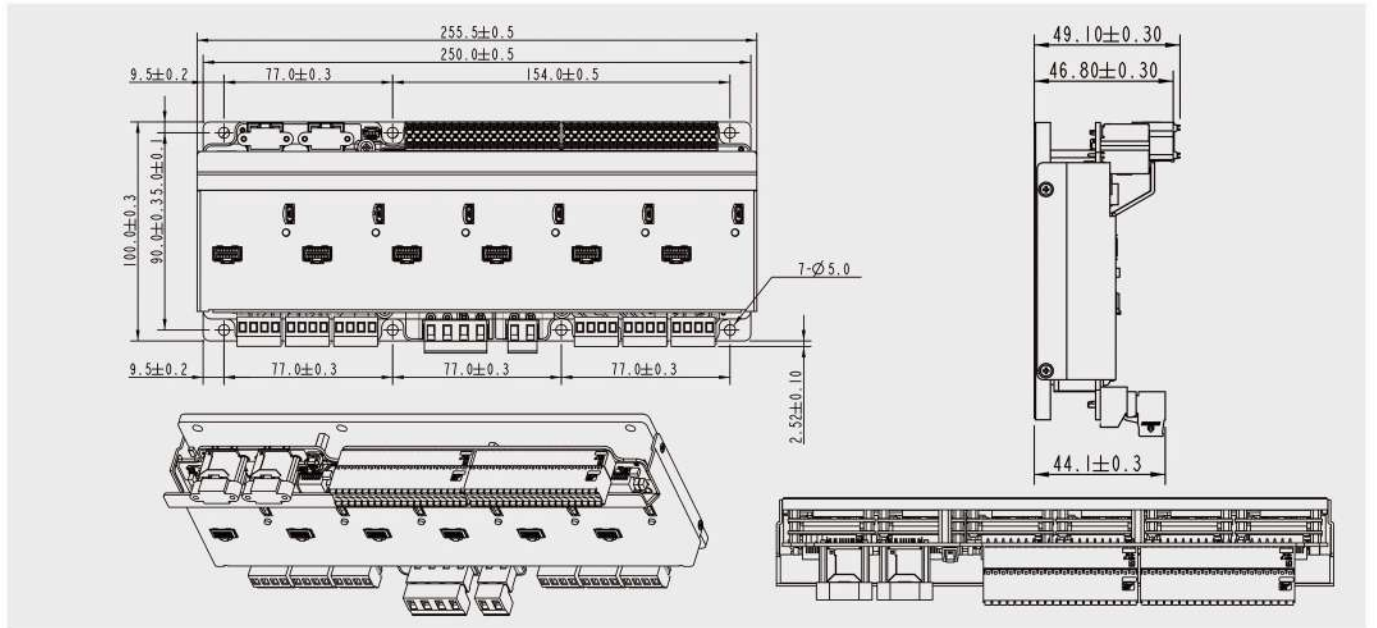
At the same time, it supports rotary servo motor, DD motor (torque motor), frameless motor, voice coil motor, linear motor, brushless motor, brushed motor, coreless motor, stepping motor, geared motor, etc.

MODEL DEFINITION



PRODUCT SPECIFICATION

Product reference		SRS06-A001	SRS06-A005	SRS06-A010
Output Power	Rated power (W)	50	200	400
	Continuous current(A)	1	5	10
	Instantaneous peak current(A)	2.5	12.5	25
	Instantaneous peak current duration (S)	3	3	3
Input voltage	Rated input voltage (VDC)	12-60		
	Maximum input voltage(VDC)	72		
Control method	Bus	EtherCAT		
	Debugging	USB		
Motor feedback	Incremental encoder, Hall sensor, rotary absolute encoder (Tamagawa)			
Digital I/O	Input	isolated 36 channels		
	Output	isolated 24 channels		
Analog	Input	-10V~+10V, 12 channels,12 bit resolution		
Status Display	Bi-color LED : red, green			
Motor control	Three-loop control of position, speed and current, current loop 50 μs , position/speed loop 200 μs			
Failure protection	Short circuit, overcurrent, overtemperature, overvoltage, undervoltage, overspeed, encoder communication error, etc.			
Size	256mm*100mm*51mm			
Weight	849g			





RUBY PLUS SERIES SERVO DRIVE

Power range of RUBY Plus series low-voltage DC servo is 0-400W; Support EtherCAT control; Support 18 digital inputs, 12 digital outputs, 6 analog inputs; Support incremental encoder, Hall sensor, rotary absolute encoder (BISS-C, SSI, Endat2.1/2.2, Tamagawa, Nikon, Sanyo, Panasonic, BISS-B), Sin/Cos12bit, *linear absolute encoder(BISS-C, SSI, Endat2.1/2.2)

At the same time, it supports rotary servo motor, DD motor (torque motor), frameless motor, voice coil motor, linear motor, brushless motor, brushed motor, coreless motor, stepping motor, geared motor, etc.

MODEL DEFINITION

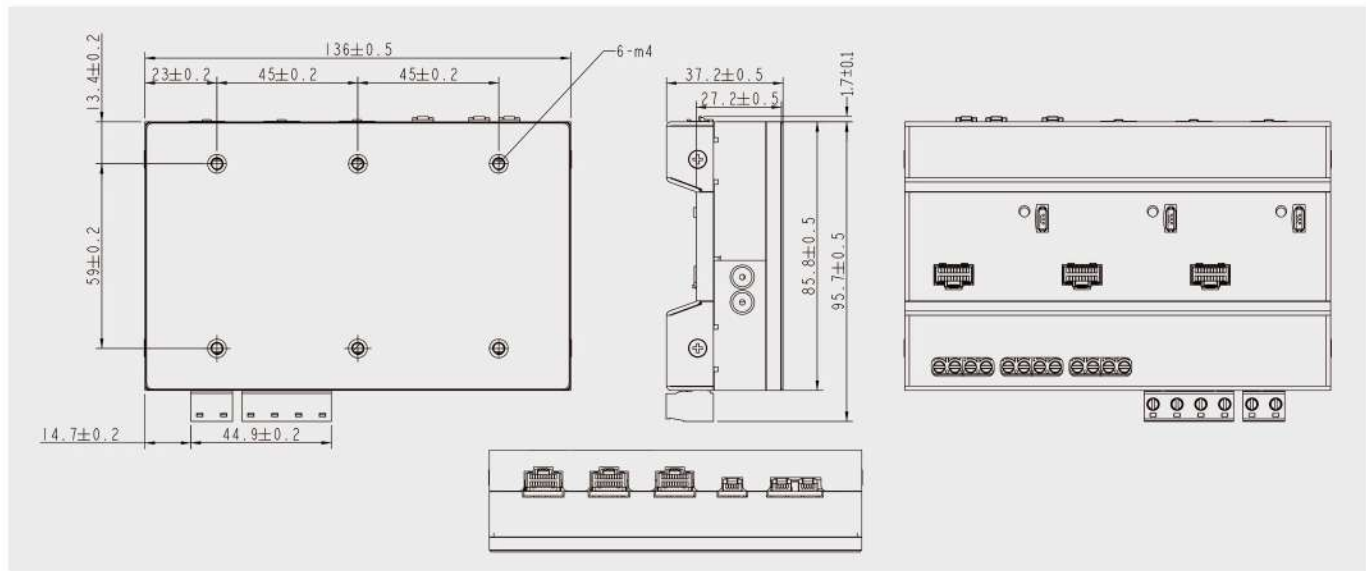
S RP 03 - A 010 E B 0 0 0 A

- S:Standard**
- Product series:**
RP: Ruby Plus
- No of axes:**
03: 3 axes(default) 02: 2 axes*
04: 4 axes* 05: 5 axes*
- Rated input power voltage:**
A: DC48V
- Output current:**
001: 1A 005: 5A
010: 10A
- Communicaiton way:**
E: EtherCAT
C: CANOpen+Modbus+Analog
- STO function:**
A:without STO(default);S: with STO
- Special function:**
0:without special function(default)
- Appearance Structure:**
0:default
- Working temperature:**
0: 0~50°C 1: -40~50°C
2: -55~50°C
- Encoder feedback:**
B:incremental encoder, Hall sensor,rotary absolute encoder(BISS-C, SSI, Endat2.1/2.2, Tamagawa, Nikon, Sanyo, Panasonic, BISS-B),Sin/Cos12bit,*linear absolute encoder(BISS-C, SSI, Endat2.1/2.2)

Note: please consult us separately if with *
1. No of axes, 3axes(default), 2,4,5,6 axes are customizable.

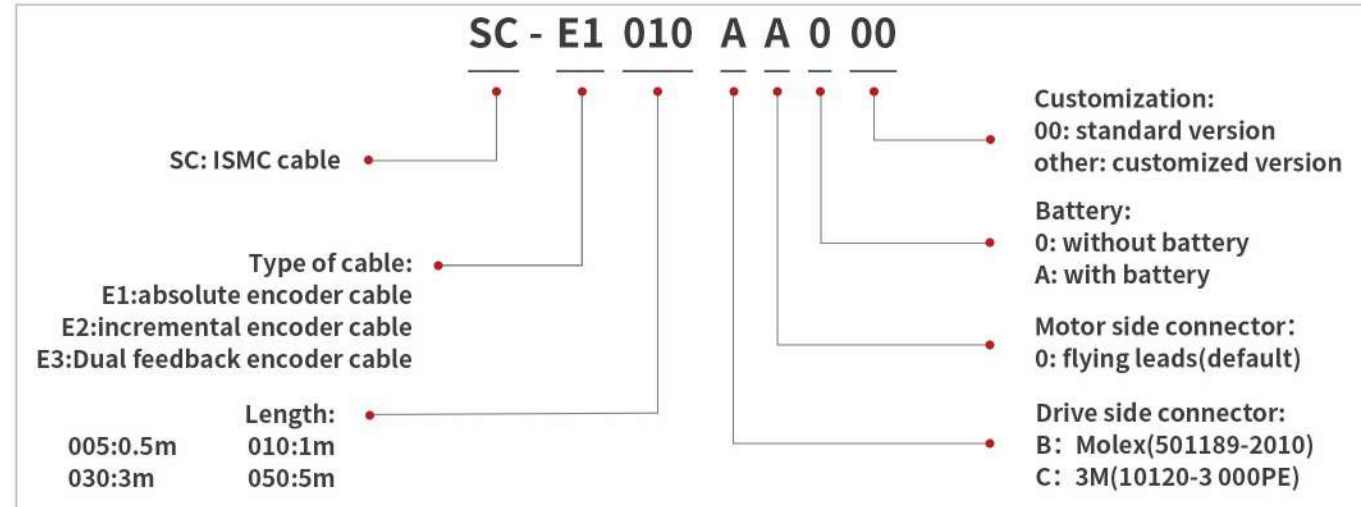
PRODUCT SPECIFICATION

Product reference		SRP03-A001	SRP03-A005	SRP03-A010
Output Power	Rated power (W)	50	200	400
	Continuous current(A)	1	5	10
	Instantaneous peak current(A)	2.5	12.5	25
	Instantaneous peak current duration (S)	3	3	3
Input voltage	Rated input voltage (VDC)	12-60		
	Maximum input voltage(VDC)	72		
Control method	Bus	EtherCAT 、CANopen、Modbus		
	Debugging	USB		
Motor feedback	B: incremental encoder, Hall sensor,rotary absolute encoder(BISS-C, SSI, Endat2.1/2.2, Tamagawa, Nikon, Sanyo, Panasonic, BISS-B),Sin/Cos12bit,*linear absolute encoder(BISS-C, SSI, Endat2.1/2.2)			
Digital I/O	Input	isolated 18 channels		
	Output	isolated 12 channels		
Analog	Input	-10V~+10V, 6 channels,12 bit resolution		
Status Display	Bi-color LED : red, green			
Motor control	Three-loop control of position, speed and current, current loop 50 μs , position/speed loop 200 μs			
Failure protection	Short circuit, overcurrent, overtemperature, overvoltage, undervoltage, overspeed, encoder communication error, etc.			
Size	136mm*95mm*37mm			
Weight	425g			

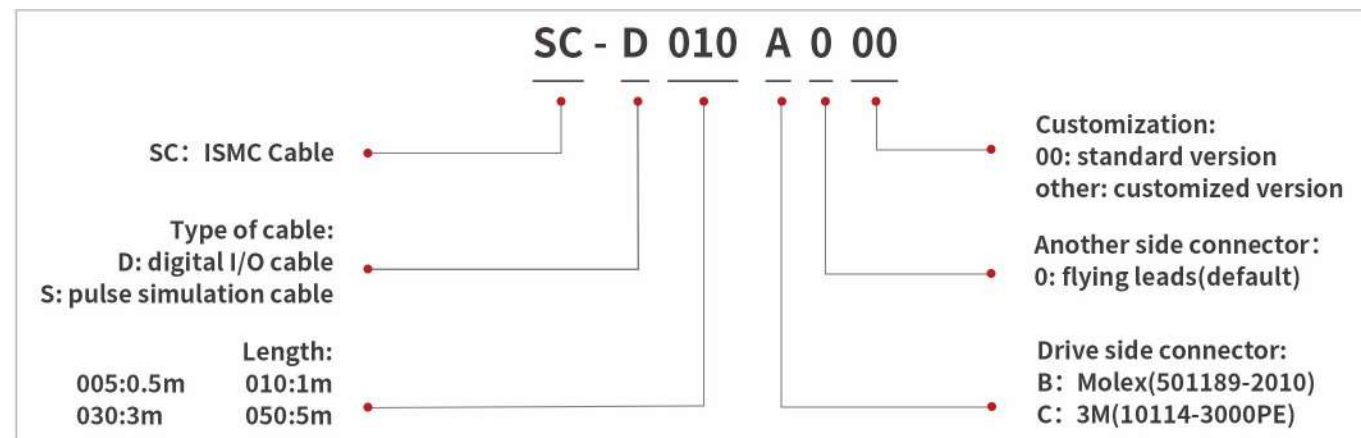


ISMC Cable Selection

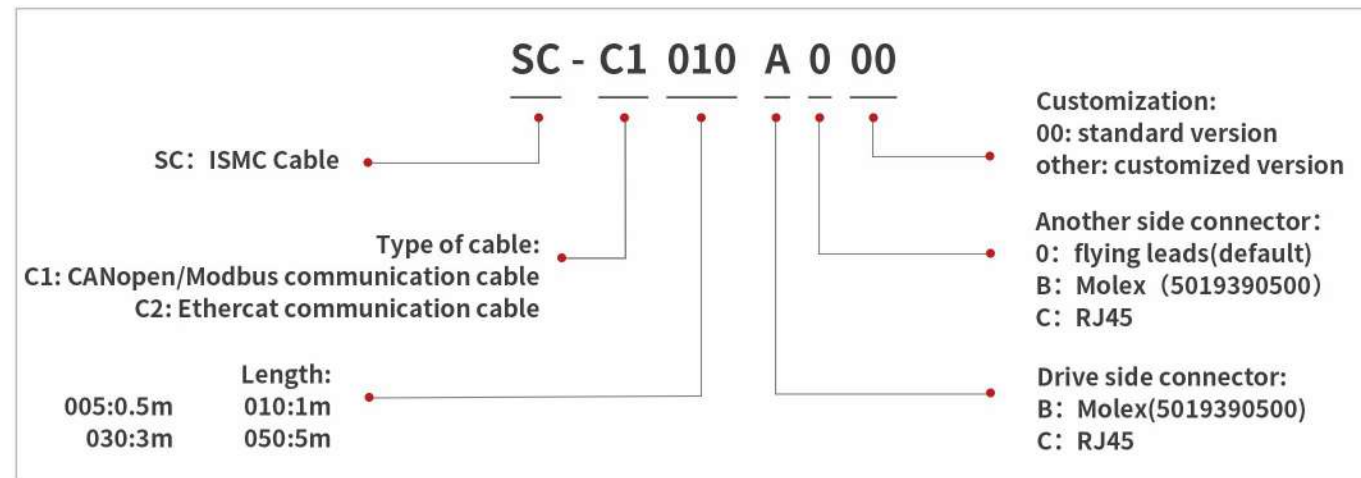
■ Cable reference definition



Encoder cable definition



Digital I/O and pulse simulation cable definition



Communication cable definition

■ Cable selection guide

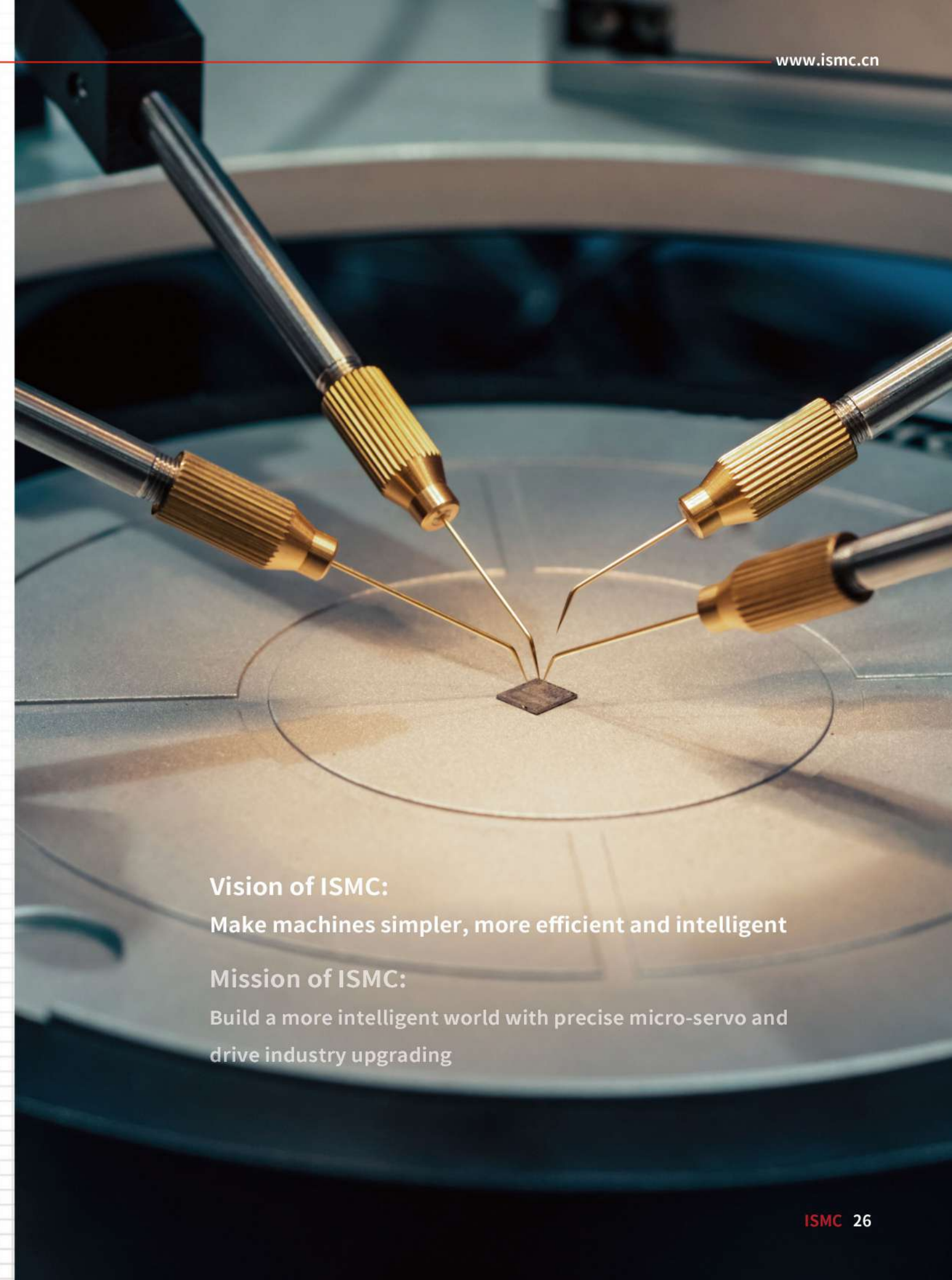
Cable type	Connector (drive side+ another side)	Length (m)	Cable reference	Suitable product series	From	To	
absolute encoder cable	Molex+flying leads (with battery)	0.5/1/ 3/5	SC-E1***B0A00	Diamond/Diamond plus/Ruby/Ruby plus	Drive encoder interface	Motor encoder connector	
	3M+flying leads (with battery)		SC-E1***C0A00	Sapphire			
	Molex+flying leads		SC-E1***B0000	Diamond/Diamond plus/Ruby/Ruby plus			
	3M+flying leads		SC-E1***C0000	Sapphire			
incremental encoder cable	Molex+flying leads		SC-E2***B0000	Diamond/Diamond plus/Ruby/Ruby plus			
	3M+flying leads		SC-E2***C0000	Sapphire			
Dual-feedback encoder cable	Molex+flying leads		SC-E3***B0000	Diamond/Diamond plus/Ruby/Ruby plus	drive I/O interface	other device (like indicator lamp)	
	3M+flying leads		SC-E3***C0000	Sapphire			
I/O cable	Molex+flying leads		SC-D***B000	Diamond/Diamond plus/Ruby/Ruby plus	drive pulse input interface	pulse output device (like PLC)	
	3M+flying leads		SC-D***C000	Sapphire			
pulse simulation cable	RJ45+flying leads		SC-C1***C000	Sapphire	drive communicaiton interface	communication port of other device(like PLC)	
	Molex+flying leads		SC-S***B000	Diamond plus /Ruby plus			
Canopen /Modbus communication cable	Molex+flying leads	SC-C1***B000	Diamond /Diamond plus	drive communicaiton interface			communication port of other device(like PLC)
	Molex+Molex	SC-C1***BB00					
	RJ45+flying leads	SC-C1***C000	Sapphire				
	RJ45+RJ45	SC-C1***CC00					
Ethercat communication cable	Molex+RJ45	SC-C2***BC00	Diamond plus /Ruby plus	drive communicaiton interface	communication port of other device(like PLC)		
	Molex+Molex	SC-C2***BB00					
	RJ45+RJ45	SC-C2***CC00	Diamond /Sapphire		drive communicaiton interface		
	locked RJ45+RJ45	SC-C2***DC00					
	locked RJ45+ locked RJ45	SC-C2***DD00				Ruby	communication port of other device(like PLC)

Note:

- 1.ISMC doesn't provide power cable, customer can make the power cable according the motor encoder feedback and power connector type.
- 2.*** represent the length of cable, ***=005 means 0.5m, ***=010 means 1m, ***=030 means 3m, ***=050 means 5m
- 3.0.5/1/3/5m is the standard length, if you have other requirements,pls consult salesperson of ISMC.

Competitiveness

Bring value to customers with high-end quality, future-oriented product innovation, professional technology and expert services.



Vision of ISMC:

Make machines simpler, more efficient and intelligent

Mission of ISMC:

Build a more intelligent world with precise micro-servo and drive industry upgrading