

## ESS57 series

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About Us

Drive and motor integrated design, simplify system structure and improve system integration

Support multiple control modes including pulse/direction and bus control

Smooth and high-speed operation, precise positioning, no step lost and fast response

Low noise, adjust current in real time and reduce heat

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## Typical Application:

Printing, AOI, panel bonding, transfer equipment, etc. in PCB related equipment; camera relat as camera and fingerprint; solid crystal machine, wire bonding machine, dispensing machine, package tape machine in packaging

≣ ESS57-P

Product Details

ESS57-P

ESS57-R

SS57-C

Product

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■ ESS57-P Series Integrated Motor

Technical Data							
Name							
Rated Voltage	V(DC)	24~50	24~50				
Output Current	А	4.0	4.0				
Holding Torque	N.m	1.2	2.2	57.15±0.5 47.1±0.2			
Motor Length	mm	56	80	(a) (b) (c) (c) (c) (c) (c) (c) (c) (c) (c) (c			
Weight	kg	0.85	1.2				
Insulation Grade	-	В	В				
Operating Temperature	°C	0~55	0~55				

	Terminal D	Description	Laborito en Colonnadia
Pin			
PWR	Power indicator	Power on indicator	
ALM	Alarm indicator	Alarm flashing indicator	
PU+	Pulse input positive terminal		PU + ALM + A
PU-	Pulse input negative terminal		
DR+	Direction input positive terminal	Signal power supply 5V; Need to connect current	
DR-	Direction input negative terminal	limiting resistor for voltage that is higer than 5V.	SW5
MF+	Enable input positive terminal		YAKOTEC H H Swa
MF-	Enable input negative terminal		Sw1
ALM+	Alarm output positive terminal	Overcurrent, overvoltage and position deviation out of tolerance alarm	
ALM-	Alarm output negative terminal	output; maximum drive current is 50mA	
+DC	Power input positive terminal	DC24~50V	O O O O O O O O O O O O O O O O O O O
GND	Power input negative terminal		PWR/ALM Indicator —

≣ ESS57-R

Product Details

ESS57-P

ESS57-R

SS57-C

Product

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## ■ ESS57-R Series Integrated Motor

Technical Data							
Name							
Rated Voltage	V(DC)	24~50	24~50				
Output Current	А	1.8~4.0	1.8~4.0				
Holding Torque	N.m	1.2	2.2	57.15±0.5 47.1±0.2			
Motor Length	mm	56	80				
Weight	kg	0.85	1.2				
Insulation Grade	-	В	В				
Operating Temperature	°C	0~55	0~55				

Terminal Description			lataria a Calanzatia
Pin	Pin Function Note		Interface Schematic
PWR	Power indicator	Power on indicator	
ALM	Alarm indicator	Alarm flashing indicator	
X0-X3	4 input terminal		42 0 W X X X X X V Q W X X X X X X X X X X X X X X X X X X
XCOM	Input common	Input/Output terminal, signal power supply 24V, support NPN and PNP	
Y0-Y1	2 output terminal	two wiring modes, support terminal function software modification	
YCOM	Output common		sws
B-	RS485	2 sets of RS485 communication	YAKOTEG E E SW4 sw3 sw2
A+	communication interface 1	interface, used for in and out connection, default baud	sw1
B-	RS485	rate is 115200, data format is: 8-bit data, no check digit,	
A+	interface 2	1 stop bit.	
+DC	Power input positive terminal	DC24~50V	- A A A A A A A A A A A A A A A A A A A
GND	Power input negative terminal	DC24~30V	PWR/ALM Indicator —

≣ ESS57-C

Product Details

ESS57-P

ESS57-R

SS57-C

Product

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## ■ ESS57-C Series Integrated Motor

Name						
Rated Voltage	V(DC)	24~50	24~50			
Output Current	А	1.8~4.0	1.8~4.0			
Holding Torque	N.m	1.2	2.2	\$7.15±0.5 \$7.1±0.2 \$\begin{array}{ c c c c c c c c c c c c c c c c c c c		
Motor Length	mm	56	80	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Weight	kg	0.85	1.2			
Insulation Grade	-	В	В			
Operating Temperature	°C	0~55	0~55			

operating temperature			
	Terminal E	Description	Interface Schematic
PWR	Power indicator	Power on indicator	
ALM	Alarm indicator	Alarm flashing indicator	W W
X0-X3	4 input terminal		REXX SPE
хсом	Input common	Input/Output terminal, signal power supply 24V, support NPN and PNP	
YCOM	Output common	two wiring modes, support terminal function software modification	SW5
Y0-Y1	2 output terminal		YAKOTEC # 58W4 5W3 5W2 5W1
CANH	Communication terminal	CANH communication cable	
CANL	Communication terminal	CANL communication cable	
+DC	Power input positive terminal	DC24~50V	A S A S A S A S A S A S A S A S A S A S
GND	Power input negative terminal		PWR/ALM Indicator —

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file Explanation Down

	News & Events	Products	Support	Recruitment	Hot Line	
ESS57-P	YAKO News	Stepper	Download	HR Concept	Tel:	008675526037414
	Exhibition	Model Selection List	Sales Network		Hot Line:	+86-400-033-0069
ESS57-R	Industry News	Close-Loop Servo-Stepper			Head Office	e: B3 Building, Guangming Technology & Science Park,
⊖ ESS57-C		AC Servo				New Guangming District, Shenzhen, China.
Package		Motion Control			R&D Cente	er: Languang Technology & Science Park, Nanshan District, Shenzhen, China.
Product						
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