

Gao Decheng servo motor product model naming rules

C	G	090A	—	P	T	A	A	1	1	—	1
brand	series	The name of the product model		Signal type	Motor type	Rated voltage	Angular range	Housing material	Gear material		Product version
C: Gao Decheng	G: Model servo series			0: not	0: not	0: not	0: not	0: not	0: not		
	K: Metal servo series			P: PWM	T: Iron core motor	1: 1S lithium battery	A: 90°	1: plastic	1: plastic		
	T: High torque servo series			U: Serial port + PWM	K: Coreless motor	2-8: n*S lithium battery	B: 180°	2: Aluminum middle case	2: powder		
	J: Building block servo series				W: Brushless motor	9: 9S lithium battery	C: 270°	3: metal	3: metal		
				D: Serial port + PWM + SBUS	B: Stepper motor	A: 5V	D: 360°		4: Plastic + powder		
				R: RS485		B: 12V	E: Multiturn support		5: Plastic + Metal		
				C: CAN2.0		C: 16V			6: Powder + metal		
						D: 24V					
						E: 28V					

G Series – Model Servo Motor

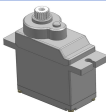
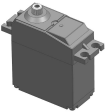
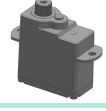
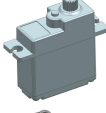
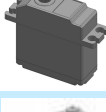
Updated date: 2024-11-20

GDC Product model	GDC Product name	Signal type	Motor type	Stall torque (Kg.f.cm)	Turning speed (S/60°)	Rated voltage (V DC) ±0.2V	Range of operating angles	Sensor type	Housing material	Gear material	Output tooth type	Product Dimensions (LxWxH/mm)	Cable type	Features:	Common application scenarios
5-wire servos															
CG090A-OTAB11-01	9 g servo - five lines	not	Core motor	≥2.1	≤0.12	5.0	180°	potentiometer	plastics	plastics	ø4-21T	22.30x12.40x28.50	MX1.25/5PIN	There is no built-in control panel	It is used for the main control with its own driver
CG090B-OTAB11-01	9 g servo - five lines	not	Core motor	≥2.4	≤0.12	5.0	180°	potentiometer	plastics	plastics	ø4-21T	22.30x12.40x28.50	MX1.25/5PIN	There is no built-in control panel	It is used for the main control with its own driver
CG370A-OTAB11-01	37 g servo - five lines	not	Core motor	≥6.8	≤0.22	5.0	180°	potentiometer	plastics	plastics	ø6-25T	40.85x20.15x39.15	5PIN	There is no built-in control panel	It is used for the main control with its own driver
CG037A-OK1B11-01	3.7 g servo - five lines	not	Core motor	≥0.8	≤0.09	3.7	180°	potentiometer	plastics	plastics	ø4-28T	20.56x8.88x20.32	MX1.25/5PIN	There is no built-in control panel	It is used for the main control with its own driver
CG020A-OK1B11-01	2.0g servo - five wires	not	Core motor	≥0.40		3.7	180°	potentiometer	plastics	plastics	ø4-28T	16.45x8.86x17.00	MX1.25/5PIN	There is no built-in control panel	It is used for the main control with its own driver
CG170A-OTAB11-01	17 g servo - five lines	not	Core motor	≥5.0		5.0	180°	potentiometer	plastics	plastics	ø6-25T	28.60x13.00x31.00	MX1.25/5PIN	There is no built-in control panel	It is used for the main control with its own driver
CG251A-OTAB11-01	25 g servo - five lines	not	Core motor	≥7.5		5.0	180°	potentiometer	plastics	plastics	ø6-25T	36.00x15.20x29.50	MX1.25/5PIN	There is no built-in control panel	It is used for the main control with its own driver
360 degree motor rotation															
CG090A-PTA011-01	9 g motor	PWM	Core motor	≥2.1	125±10%	5.0	无角度	not	plastics	plastics	ø4-21T	22.30x12.40x28.50	JR/2.54	No angular speed control, can always forward and reverse and stop	Wheels, runners, drawstrings
CG090A-PTA014-01	9 g motor	PWM	Core motor	≥3.2	118±10%	5.0	无角度	not	plastics	Plastics + powder metallurgy	ø4-21T	22.30x12.40x28.50	JR/2.54	No angular speed control, can always forward and reverse and stop	Wheels, runners, drawstrings
CG370A-PTA011-01	37 g motor	PWM	Core motor	≥6.8	≤0.22	5.0	无角度	not	plastics	plastics	ø6-25T	40.85x20.15x39.15	JR/2.54	No angular speed control, can always forward and reverse and stop	Wheels, runners, drawstrings
Conventional servos															
CG090A-PTAB11-01	9 grams of servos	PWM	Core motor	≥2.1	≤0.11	5.0	180°	potentiometer	plastics	plastics	ø4-21T	22.30x12.40x28.50	JR/2.54	180 degree inner angle control	Model airplanes, model cars, robots, building blocks education, etc
CG090A-PTAB11-02	9 grams of servos	PWM	Core motor	≥2.1	≤0.11	5.0	180°	potentiometer	plastics	plastics	ø4-21T	22.30x12.40x28.50	JST/MX1.25	180 degree inner angle control	Model airplanes, model cars, robots, building blocks education, etc
CG090A-PTAB11-02	9 grams of servos	PWM	Core motor	≥2.1	≤0.11	5.0	180°	potentiometer	plastics	plastics	ø4-40T	22.30x12.40x28.50	JR/2.54	180 degree inner angle control	Model airplanes, model cars, robots, building blocks education, etc
CG090A-PTAB14-01	9 grams of servos 9克舵机	PWM	Core motor	≥3.2	≤0.13	5.0	180°	potentiometer	plastics	Plastics + powder metallurgy	ø4-21T	22.30x12.40x28.50	JR/2.54	180 degree inner angle control	Model airplanes, model cars, robots, building blocks education, etc

CG090B-PTAB11-01	9 grams of servos	PWM	Core motor	≥2.4	≤0.13	5.0	180°	potentiometer	plastics	plastics	ø4-21T	22.30x12.40x28.50	JR/2.54	180 degree inner angle control	Model airplanes, model cars, robots, building blocks education, etc
CG090B-PTAB15-01	9 grams of servos	PWM	Core motor	≥3.8	≤0.16	5.0	180°	potentiometer	plastics	Plastics + powder metallurg	ø4-21T	22.30x12.40x28.50	JR/2.54	180 degree inner angle control	Model airplanes, model cars, robots, building blocks education, etc
CG370A-PTAB11-01	37 g servos	PWM	Core motor	≥6.8	≤0.22	5.0	180°	potentiometer	plastics	plastics	ø6-25T	40.85x20.15x39.15	JR/2.54	180 degree inner angle control	Model airplanes, model cars, robots, building blocks education, etc
CG370A-PTAB15-01	37 g servos	PWM	Core motor	≥11.2	≤0.22	5.0	180°	potentiometer	plastics	Plastics + powder metallurg	ø6-25T	40.85x20.15x39.15	JR/2.54	180 degree inner angle control	Model airplanes, model cars, robots, building blocks education, etc
CG370A-PT2B16-01	37 g servos	PWM	Core motor	≥24	≤0.17	7.4	180°	potentiometer	plastics	Metal + powder metallurg	ø6-25T	40.85x20.15x39.15	JR/2.54	180 degree inner angle control	Model airplanes, model cars, robots, building blocks education, etc
CG370A-PT2B13-01	37 g servos	PWM	Core motor	≥24	≤0.17	7.4	180°	potentiometer	plastics	metal	ø6-25T	40.85x20.15x39.15	JR/2.54	180 degree inner angle control	Model airplanes, model cars, robots, building blocks education, etc
CG037A-PK1B11-01	3.7 g servos	PWM	Coreless motors	≥0.8	≤0.09	3.7	180°	potentiometer	plastics	plastics	ø4-28T	20.56x8.88x20.32	JR/2.54	180 degree inner angle control	Model airplanes, model cars, robots, building blocks education, etc
CG020A-PK1B11-01	2.0 g servos	PWM	Coreless motors	≥0.40	≤0.08	3.7	180°	potentiometer	plastics	plastics	ø4-28T	16.45x8.86x17.00	JR/2.54	180 degree inner angle control	Model airplanes, model cars, robots, building blocks education, etc
CG020A-PK1B11-02	2.0 g servos	PWM	Coreless motors	≥0.40		3.7	180°	potentiometer	plastics	plastics	ø4-28T	16.45x8.86x17.00	JST/MX1.25	180 degree inner angle control	Model airplanes, model cars, robots, building blocks education, etc
CG170A-PTAB11-01	17g servos	PWM	Core motor	≥5.0	≤0.10	5.0	180°	potentiometer	plastics	plastics	ø6-25T	28.60x13.00x31.00	JR/2.54	180 degree inner angle control	Model airplanes, model cars, robots, building blocks education, etc
CG170A-PTAB11-02	17g servos	PWM	Core motor	≥5.0		5.0	180°	potentiometer	plastics	plastics	ø6-46T	28.60x13.00x31.00	JR/2.54	180 degree inner angle control	Model airplanes, model cars, robots, building blocks education, etc
CG170A-PT2B15-01	17g servos	PWM	Core motor	≥7.6	≤0.9	7.4	180°	potentiometer	plastics	Plastic + Metal	ø6-25T	28.60x13.00x31.00	JR/2.54	180 degree inner angle control	Model airplanes, model cars, robots, building blocks education, etc
CG170B-PTAB11-01	17g servos	PWM	Core motor	≥7.6	≤0.16	5.0	180°	potentiometer	plastics	plastics	ø6-25T	28.60x13.00x31.00	JR/2.54	180 degree inner angle control	Model airplanes, model cars, robots, building blocks education, etc
CG170B-PT2B15-01	17g servos	PWM	Core motor	≥8.8		7.4	180°	potentiometer	plastics	Plastic + Metal	ø6-25T	28.60x13.00x31.00	JR/2.54	180 degree inner angle control	Model airplanes, model cars, robots, building blocks education, etc
CG251A-PTAB11-01	25 g servos	PWM	Core motor	≥7.5	≤0.15	5.0	180°	potentiometer	plastics	plastics	ø6-25T	36.00x15.20x29.50	JR/2.54	180 degree inner angle control	Model airplanes, model cars, robots, building blocks education, etc
CG251A-PT2B13-01	25 g servos	PWM	Core motor	≥8.2		7.4	180°	potentiometer	plastics	metal	ø6-25T	36.00x15.20x29.50	JR/2.54	180 degree inner angle control	Model airplanes, model cars, robots, building blocks education, etc
CG251A-PK2B13-01	25 g servos	PWM	Coreless motors	≥16	≤0.12	7.4	180°	potentiometer	plastics	metal	ø6-25T	36.00x15.20x29.50	JR/2.54	180 degree inner angle control	Model airplanes, model cars, robots, building blocks education, etc

G Series-Model Servo Motor (2nd Generation)

Updated date: 2024-11-20

Product images	GDC Product model	GDC Product name	Signal type	Motor type	Stall torque (Kgf. cm)	Turning speed (S/60°)	Rated voltage (V)	Range of operating angles	Sensor type	Housing material	Gear material	Output tooth type	Product dimensions (LxWxH/mm)	Cable type	weight	Additional notes
	CG090A-UTAB11-01	9 grams of servos	Serial+PWM	Core motor	≥2.1	≤0.11	5.0	180°	potentiometer	plastics	plastics	ø4-21T	22.30x12.40x28.50	JR/2.54		
	CG090A-UTAB14-01	9 grams of servos	Serial+PWM	Core motor	≥3.2	≤0.13	5.0	180°	potentiometer	plastics	Plastics + powder	ø4-21T	22.30x12.40x28.50	JR/2.54		
	CG090C-UTAB11-01	9 grams of servos	Serial+PWM	Core motor	≥2.1	≤0.11	5.0	180°	potentiometer	plastics	plastics	ø4-21T	22.30x12.40x28.50	JR/2.54		
	CG090C-UTAB14-01	9 grams of servos	Serial+PWM	Core motor	≥3.2	≤0.13	5.0	180°	potentiometer	plastics	Plastics + powder	ø4-21T	22.30x12.40x28.50	JR/2.54		
	CG370A-UTAB11-01	37 g servos	Serial+PWM	Core motor	≥6.8	≤0.22	5.0	180°	potentiometer	plastics	plastics	ø6-25T	40.85x20.15x39.15	JR/2.54		
	CG370B-UTAB11-01	37 g servos	Serial+PWM	Core motor	≥6.8	≤0.22	5.0	180°	potentiometer	plastics	plastics	ø6-25T	40.85x20.15x39.15	JR/2.54		
	CG037A-UK1B11-01	3.7 g servos	Serial+PWM	Coreless motors	≥0.8	≤0.09	3.7	180°	potentiometer	plastics	plastics	ø4-28T	20.56x8.88x20.32	JR/2.54		
	CG037B-UK1B11-01	3.7 g servos	Serial+PWM	Coreless motors	≥0.8	≤0.09	3.7	180°	potentiometer	plastics	plastics	ø4-28T	20.56x8.88x20.32	JR/2.54		
	CG020A-UK1B11-01	2.0 g servos	Serial+PWM	Coreless motors	≥0.40	≤0.08	3.7	180°	potentiometer	plastics	plastics	ø4-28T	16.45x8.86x17.00	JR/2.54		
	CG020B-UK1B11-01	2.0 g servos	Serial+PWM	Coreless motors	≥0.40	≤0.08	3.7	180°	potentiometer	plastics	plastics	ø4-28T	16.45x8.86x17.00	JR/2.54		
	CG170A-UTAB11-01	17g servos	Serial+PWM	Core motor	≥5.0	≤0.08	5.0	180°	potentiometer	plastics	plastics	ø6-25T	28.60x13.00x31.00	JR/2.54		
	CG170C-UTAB11-01	17g servos	Serial+PWM	Core motor	≥5.0	≤0.08	5.0	180°	potentiometer	plastics	plastics	ø6-25T	28.60x13.00x31.00	JR/2.54		
	CG251A-UTAB11-01	25 g servos	Serial+PWM	Core motor	≥7.5	≤0.15	5.0	180°	potentiometer	plastics	plastics	ø6-25T	36.00x15.20x29.50	JR/2.54		
	CG251B-UTAB11-01	25 g servos	Serial+PWM	Core motor	≥7.5	≤0.15	5.0	180°	potentiometer	plastics	plastics	ø6-25T	36.00x15.20x29.50	JR/2.54		
	CG371A-UT2B13-01	15kg servos	Serial+PWM	Core motor	≥40	≤0.18	7.4	180°	potentiometer	plastics	metal	ø6-25T	40.0x20.0x40.0	JR/2.54		348 tooth ratio
	CG371B-UT2B13-01	15kg servos	Serial+PWM	Core motor	≥30	≤0.13	7.4	180°	potentiometer	plastics	metal	ø6-25T	40.0x20.0x40.0	JR/2.54		233 tooth ratio
	CG372A-UT2B23-01	15kg servos	Serial+PWM	Core motor	≥40	≤0.18	7.4	180°	potentiometer	Aluminum middle	metal	ø6-25T	40.0x20.0x40.0	JR/2.54		348 tooth ratio
	CG372B-UT2B23-01	15kg servos	Serial+PWM	Core motor	≥30	≤0.13	7.4	180°	potentiometer	Aluminum middle	metal	ø6-25T	40.0x20.0x40.0	JR/2.54		233 tooth ratio
	CG373A-UT2B13-01	15kg robot servos	Serial+PWM	Core motor	≥40	≤0.18	7.4	180°	potentiometer	plastics	metal	ø6-25T	40.0x20.0x40.0	JST2.0/3PIN		348 tooth ratio
	CG373B-UT2B13-01	15kg robot servos	Serial+PWM	Core motor	≥30	≤0.13	7.4	180°	potentiometer	plastics	metal	ø6-25T	40.0x20.0x40.0	JST2.0/3PIN		233 tooth ratio
	CG374A-UT2B23-01	15kg robot servos	Serial+PWM	Core motor	≥40	≤0.18	7.4	180°	potentiometer	Aluminum middle	metal	ø6-25T	40.0x20.0x40.0	JST2.0/3PIN		348 tooth ratio
	CG374B-UT2B23-01	15kg robot servos	Serial+PWM	Core motor	≥30	≤0.13	7.4	180°	potentiometer	Aluminum middle case	metal	ø6-25T	40.0x20.0x40.0	JST2.0/3PIN		233 tooth ratio

Gao Decheng K series - all-metal servo motor

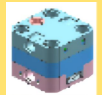
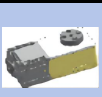
Updated date: 2024-11-20

GDC Product model	GDC Product name	Signal type	Motor type	Stall torque (Kgf.cm)	Turning speed (S/60°)	Rated voltage (V DC)) ±0.2V	Range of operatin g angles	Sensor type	Housin g materi	Gear mater ial	Output tooth type	Product dimensions (LxWxH/mm)	Cable type	weight	Additional notes
CK020A-UK2B33-01	2.0KG micro servo	Serial+PWM	Coreless motors	2.00	0.07	7.4	180	potentiom eter	metal	metal	ø4-25T	23.5*9*19.5	JR/2.54	7.7g	
CK032A-UK2B33-01	3.2KG micro servo	Serial+PWM	Coreless motors	3.00	0.07	7.4	180	potentiom eter	metal	metal	ø4-25T	23.5x9x19.5	JR/2.54	7.7g	
CK070A-UK2B33-01	7KG standard servos	Serial+PWM	Coreless motors	7.00	0.06	7.4	180	Magnetic encoder	metal	metal	ø5-25T	23x12x27.1	JR/2.54	20g	9 g servo size
CK110A-UK2B33-01	11KG flat servos	Serial+PWM	Coreless motors	11.00	0.11	7.4	180	Magnetic encoder	metal	metal	ø5-25T	30x10x35.5	JR/2.54	26g	
CK220A-UK2B33-01	22KG flat servo	Serial+PWM	Coreless motors	22.00	0.10	7.4	180	potentiom eter	metal	metal	ø5-25T	30x12x35.5	JR/2.54	37g	
CK320A-UK2B33-01	32KG flat servo	Serial+PWM	Coreless motors	32.00	0.09	7.4	180	potentiom eter	metal	metal	ø6-25T	34x15x36.5	JR/2.54	48g	
CK180A-UK2B33-01	18KG standard servos	Serial+PWM	Coreless motors	18.00	0.07	7.4	180	potentiom eter	metal	metal	ø6-25T	35.8x15x32	JR/2.54	49g	25 g servo size
CK251A-DW2B33-01	25KG low body servo	Serial+PWM +SBUS	Brushless motor	25.00	0.07	7.4	180	potentiom eter	metal	metal	ø6-25T	41x20.5x28	JR/2.54	67g	There is a waterproof ring
CK251A-DWBB33-01	25KG low body servo	Serial+PWM +SBUS	Brushless motor	25.00	0.07	12.0	180	potentiom eter	metal	metal	ø6-25T	41x20.5x28	JR/2.54	67g	There is a waterproof ring
CK351A-DW2B33-01	35KG low body servo	Serial+PWM +SBUS	Brushless motor	35.00	0.09	7.4	180	potentiom eter	metal	metal	ø6-25T	41x20.5x28	JR/2.54	67g	There is a waterproof ring
CK351A-DWBB33-01	35KG low body servo	Serial+PWM +SBUS	Brushless motor	35.00	0.09	12.0	180	potentiom eter	metal	metal	ø6-25T	41x20.5x28	JR/2.54	67g	There is a waterproof ring
CK201A-UK2B33-01	20KG low body servo	Serial+PWM	Coreless motors		0.07	7.4	180	potentiom eter	metal	metal	ø6-25T	41x20.5x28	JR/2.54	67g	There is a waterproof ring
CK351A-UK2B33-01	35KG low body servo	Serial+PWM	Coreless motors	35.00	0.09	7.4	180	potentiom eter	metal	metal	ø6-25T	41x20.5x28	JR/2.54	67g	There is a waterproof ring
CK350A-UK2B33-01	35KG standard servos	Serial+PWM	Coreless motors	35.00	0.07	7.4	180	potentiom eter	metal	metal	ø6-25T	40.5x21x37.6	JR/2.54	87g	There is a waterproof ring
CK450A-UK2B33-01	45KG standard servos	Serial+PWM	Coreless motors	45.00	0.09	7.4	180	potentiom eter	metal	metal	ø6-25T	40.5x21x37.6	JR/2.54	87g	There is a waterproof ring

CK600A-UK2B33-01	60KG standard servo	Serial+PWM	Coreless motors	60.00	0.14	7.4	180	potentiometer	metal	metal	ø6-25T	40x20x42	JR/2.54	87g	There is a waterproof ring
CK350A-DW2E33-01	35KG standard servos	Serial+PWM+SBUS	Brushless motor	35.00	0.07	7.4	Multiturn support	Magnetic encoder	metal	metal	ø6-25T	40.5x21x37.6	JR/2.54	87g	There is a waterproof ring
CK350A-DWBB33-01	35KG standard servos	Serial+PWM+SBUS	Brushless motor	35.00	0.07	12.0	180	potentiometer	metal	metal	ø6-25T	40.5x21x37.6	JR/2.54	87g	There is a waterproof ring
CK350A-DWBE33-01	35KG standard servos	Serial+PWM+SBUS	Brushless motor	35.00	0.07	12.0	Multiturn support	Magnetic encoder	metal	metal	ø6-25T	40.5x21x37.6	JR/2.54	87g	There is a waterproof ring
CK450A-DW2E33-01	45KG standard servos	Serial+PWM+SBUS	Brushless motor	45.00	0.09	7.4	Multiturn support	Magnetic encoder	metal	metal	ø6-25T	40.5x21x37.6	JR/2.54	87g	There is a waterproof ring
CK450A-DWBB33-01	45KG standard servos	Serial+PWM+SBUS	Brushless motor	45.00	0.09	12.0	180	potentiometer	metal	metal	ø6-25T	40.5x21x37.6	JR/2.54	87g	There is a waterproof ring
CK450A-DWBE33-01	45KG standard servos	Serial+PWM+SBUS	Brushless motor	45.00	0.09	12.0	Multiturn support	Magnetic encoder	metal	metal	ø6-25T	40.5x21x37.6	JR/2.54	87g	There is a waterproof ring
CK600A-DWBB33-01	60KG standard servo	Serial+PWM+SBUS	Brushless motor	60.00	0.14	12.0	180	potentiometer	metal	metal	ø6-25T	40x20x42mm	JR/2.54	87g	There is a waterproof ring
CK600A-DWBE33-01	60KG standard servo	Serial+PWM+SBUS	Brushless motor	60.00	0.14	12.0	Multiturn support	Magnetic encoder	metal	metal	ø6-25T	40x20x42mm	JR/2.54	87g	There is a waterproof ring

Gao Decheng J series – building block servo motor

Updated date: 2024-11-20

Product images	GDC Product model	GDC Product name	Signal type	Motor type	Stall torque (Kgf. cm)	Turning speed S/60°	Rated voltage (V DC) ±0.2V	Range of operating angles	Sensor type	Housing material	Gear material	Output tooth type	Product dimensions (LxWxH/mm)	Cable type	weight	Servo function	Additional notes
Building block servos																	
	CJ665A-UT2B15-01	6*6*6 block servos	Serial	Core motor	4.00	0.08	7.4	180	potentio meter	plastic	Plastic + Metal		47.8x39.8x39.8	JST1.5/4PIN		/	
	CJ665A-UT1B15-01	6*6*6 block servos	Serial	Core motor	2.50	0.12	3.7	180	potentio meter	plastic	Plastic + Metal		47.8x39.8x39.8	JST1.5/4PIN		/	
	CJ333A-UK2B11-01	3*3*3 building block servos	Serial	Coreless motor	1.00	0.12	7.4	180	potentio meter	plastic	plastic	cross	23.8x23.8x23.8	JST1.5/4PIN		/	
	CJ333A-UK1B11-01	3*3*3 building block servos	Serial	Coreless motor	0.60	0.14	3.7	180	potentio meter	plastic	plastic	cross	23.8x23.8x23.8	JST1.5/4PIN		/	
	CJ337A-UT2B11-01	3*3*7 building block servos	Serial	Core motor	9.00	0.23	7.4	180	potentio meter	plastic	plastic	cross	23.8x23.8x55.8	JST1.5/4PIN		/	Rank 3 planet
	CJ337A-UT1B11-01	3*3*7 building block servos	Serial	Core motor	5.00	0.24	3.7	180	potentio meter	plastic	plastic	cross	23.8x23.8x55.8	JST1.5/4PIN		/	Rank 3 planet
	CJ337C-UT2B11-01	3*3*7 building block servos	Serial	Core motor	1.60	0.04	7.4	180	potentio meter	plastic	plastic	cross	23.8x23.8x55.8	JST1.5/4PIN		/	Rank 2 planets
	CJ337C-UT1B11-01	3*3*7 building block servos	Serial	Core motor	0.80	0.05	3.7	180	potentio meter	plastic	plastic	cross	23.8x23.8x55.8	JST1.5/4PIN		/	Rank 2 planets
	CJ375A-UT2B11-01	3*7*5 building block servos	Serial	Core motor	5.00	0.09	7.4	180	potentio meter	plastic	plastic	cross	23.8x55.8x39.8	JST1.5/4PIN		/	
	CJ375A-UT1B11-01	3*7*5 building block servos	Serial	Core motor	3.00	0.13	3.7	180	potentio meter	plastic	plastic	cross	23.8x55.8x39.8	JST1.5/4PIN		/	
Building block motors																	
	CJB54A-UT2E11-01	11*5*4 building block motor	Serial	Core motor	4.00	220rpm	7.4	Multiturn support	Raster encoders	plastic	plastic	cross	87.8x39.8x31.8	JST1.5/4PIN		Not support	Unidirectional
	CJB54A-UT1E11-01	11*5*4 building block motor	Serial	Core motor	2.50	180rpm	3.7	Multiturn support	Raster encoders	plastic	plastic	cross	87.8x39.8x31.8	JST1.5/4PIN		Not support	Unidirectional
	CJ333B-UK2E11-01	3*3*3 building block motor	Serial	Coreless motor	1.00	0.12	7.4	Multiturn support	Linear Hall	plastic	plastic	cross	23.8x23.8x23.8	JST1.5/4PIN		In the tank	
	CJ333B-UK1E11-01	3*3*3 building block motor	Serial	Coreless motor	0.60	0.14	3.7	Multiturn support	Linear Hall	plastic	plastic	cross	23.8x23.8x23.8	JST1.5/4PIN		In the tank	
	CJ337B-UT2E11-01	3*3*7 building block motor	Serial	Core motor	9.00	0.23	7.4	Multiturn support	Linear Hall	plastic	plastic	cross	23.8x23.8x55.8	JST1.5/4PIN		In the tank	Rank 3 planet
	CJ337B-UT1E11-01	3*3*7 building block motor	Serial	Core motor	5.00	0.24	3.7	Multiturn support	Linear Hall	plastic	plastic	cross	23.8x23.8x55.8	JST1.5/4PIN		In the tank	Rank 3 planet
	CJ337D-UT2E11-01	3*3*7 building block motor	Serial	Core motor	1.60	0.04	7.4	Multiturn support	Linear Hall	plastic	plastic	cross	23.8x23.8x55.8	JST1.5/4PIN		In the tank	Rank 2 planets
	CJ337D-UT1E11-01	3*3*7 building block motor	Serial	Core motor	0.80	0.05	3.7	Multiturn support	Linear Hall	plastic	plastic	cross	23.8x23.8x55.8	JST1.5/4PIN		In the tank	Rank 2 planets
	CJ375B-UT2E11-01	3*7*5 building block motor	Serial	Core motor	5.00	0.09	7.4	Multiturn support	Linear Hall	plastic	plastic	cross	23.8x55.8x39.8	JST1.5/4PIN		In the tank	
	CJ375B-UT1E11-01	3*7*5 building block motor	Serial	Core motor	3.00	0.13	3.7	Multiturn support	Linear Hall	plastic	plastic	cross	23.8x55.8x39.8	JST1.5/4PIN		In the tank	
	CJ375D-UT2E11-01	3*7*5 building block motor	Serial	Core motor	2.80	240rpm	7.4	Multiturn support	Linear Hall	plastic	plastic	cross	23.8x55.8x39.8	JST1.5/4PIN		In the tank	77 reduction
	CJ375D-UT1E11-01	3*7*5 building block motor	Serial	Core motor	1.80	180rpm	3.7	Multiturn support	Linear Hall	plastic	plastic	cross	23.8x55.8x39.8	JST1.5/4PIN		In the tank	77 reduction

1、Methods of communication: Communication interface		
1-1	Type of communication: Communication type	PWM
1-2	Communication parameters: Communication parameter	PWM : Pulse duration(500us-2500us)、cycle(3ms-25ms) PWM signal dead zone: 5us
2、Features: Functional characteristics		
2-1	Mode of operation: Operation mode	Servo mode
2-2	Rotation definition: Rotation definition	PWM(500→2500)=angle(-90 → 90°) Counterclockwise (CCW) : (-90° → 90° , Overhead output shaft)
1、Methods of communication: Communication interface		
1-1	Type of communication: Communication type	Serial+PWM
1-2	Communication parameters: Communication parameter	PWM : Pulse duration(500us-2500us)、cycle(3ms-25ms) PWM signal dead zone: 5us(modifiable) Serial Protocol: "Gao Decheng General
2、Features: Functional characteristics		
2-1	Mode of operation: Operation mode	Servo mode
2-2	Rotation definition: Rotation definition	PWM(500→2500)=angle(-90 → 90°) directives(-900→900)=angle(-90 → 90°) Counterclockwise (CCW) : (-90°→ 90° , Overhead outout shaft)
1、Methods of communication: Communication interface		
1-1	Type of communication: Communication type	Serial+PWM+SBUS
1-2	Communication parameters: Communication parameter	PWM : Pulse duration(500us-2500us)、cycle(3ms-25ms) PWM signal dead zone: 5us(modifiable) Serial Protocol: "Gao Decheng General Agreement"
2、Features: Functional characteristics		
2-1	Mode of operation: Operation mode	Servo mode
2-2	Rotation definition: Rotation definition	PWM(500→2500)=SBUS(0→2048)=angle(-90 → 90°) directives(-900→900)=angle(-90 → 90°) Counterclockwise (CCW) :(-90° → 90° , looking down on the output shaft)
1、Methods of communication: Communication interface		
1-1	Type of communication: Communication type	RS485
1-2	Communication parameters: Communication parameter	Serial Protocol: "Lead-Sum General Agreement", "Strike-Sum Modbus Protocol"
2、Features: Functional characteristics		
2-1	Mode of operation: Operation mode	Servo mode
2-2	Rotation definition: Rotation definition	Command(-900→900)=angle(-90 → 90°) Counterclockwise (CCW) :(-90° → 90° , looking down on the output shaft)
1、Methods of communication: Communication interface		
1-1	Type of communication: Communication type	CAN2.0
1-2	Communication parameters: Communication parameter	CAN Protocol: "Terde Cheng CANopen Protocol"
2、Features: Functional characteristics		
2-1	Mode of operation: Operation mode	Servo mode
2-2	Rotation definition: Rotation definition	Command(-900→900)=angle(-90 → 90°) Counterclockwise (CCW) :(-90° → 90° , looking down on the output shaft)

T series – high torque servo motor

Updated date: 2024-11-20

GDC Product model	GDC Product name	Signal type	Motor type	Stall torque (Kgf. cm)	Turning speed (S/60°)	Rated voltage (V DC)) $\pm 0.2V$	Range of operating angles	Sensor type	Housing material	Gear material	Output tooth type	Product dimensions (LxWxH/mm)	Cable type	weight	Additional notes
CT010A-DWBE33-01	100KG large servo	Serial+PWM+SBUS	Brushless motor	100.00		12.0	Multiturn support	encoder	metal	metal		62.6x30x47			
CT010A-RWBE33-01	100KG large servo	RS485	Brushless motor	100.00		12.0	Multiturn support	encoder	metal	metal		62.6x30x47			
CT010A-CWBE33-01	100KG large servo	CAN2.0	Brushless motor	100.00		12.0	Multiturn support	encoder	metal	metal		62.6x30x47			
CT013A-DWCE33-01	130KG large servo	Serial+PWM+SBUS	Brushless motor	130.00		16.0	Multiturn support	encoder	metal	metal		64x33x76			
CT013A-RWCE33-01	130KG large servo	RS485	Brushless motor	130.00		16.0	Multiturn support	encoder	metal	metal		64x33x76			
CT013A-CWCE33-01	130KG large servo	CAN2.0	Brushless motor	130.00		16.0	Multiturn support	encoder	metal	metal		64x33x76			
CT016A-DWCE33-01	160KG large servo	Serial+PWM+SBUS	Brushless motor	160.00		16.0	Multiturn support	encoder	metal	metal		64x32.8x82.5			
CT016A-RWCE33-01	160KG large servo	RS485	Brushless motor	160.00		16.0	Multiturn support	encoder	metal	metal		64x32.8x82.5			
CT016A-CWCE33-01	160KG large servo	CAN2.0	Brushless motor	160.00		16.0	Multiturn support	encoder	metal	metal		64x32.8x82.5			
CT020A-DWCE33-01	200KG large servo	Serial+PWM+SBUS	Brushless motor	200.00		16.0	Multiturn support	encoder	metal	metal		64x32.8x92.5			
CT020A-RWCE33-01	200KG large servo	RS485	Brushless motor	200.00		16.0	Multiturn support	encoder	metal	metal		64x32.8x92.5			
CT020A-CWCE33-01	200KG large servo	CAN2.0	Brushless motor	200.00		16.0	Multiturn support	encoder	metal	metal		64x32.8x92.5			
CT040A-DWEE33-01	400KG large servo	Serial+PWM+SBUS	Brushless motor	400.00		28.0	Multiturn support	encoder	metal	metal		100x50x100			
CT040A-RWEE33-01	400KG large servo	RS485	Brushless motor	400.00		28.0	Multiturn support	encoder	metal	metal		100x50x100			
CT040A-CWEE33-01	400KG large servo	CAN2.0	Brushless motor	400.00		28.0	Multiturn support	encoder	metal	metal		100x50x100			
CT070A-DWEE33-01	700KG large servo	Serial+PWM+SBUS	Brushless motor	700.00		28.0	Multiturn support	encoder	metal	metal		120x60x115.5			
CT070A-RWEE33-01	700KG large servo	RS485	Brushless motor	700.00		28.0	Multiturn support	encoder	metal	metal		120x60x115.5			
CT070A-CWEE33-01	700KG large servo	CAN2.0	Brushless motor	700.00		28.0	Multiturn support	encoder	metal	metal		120x60x115.5			