

AC Servomotors /Linear Motors /Servo Drives



The Preeminent Servo That Revolutionizes Motion Control



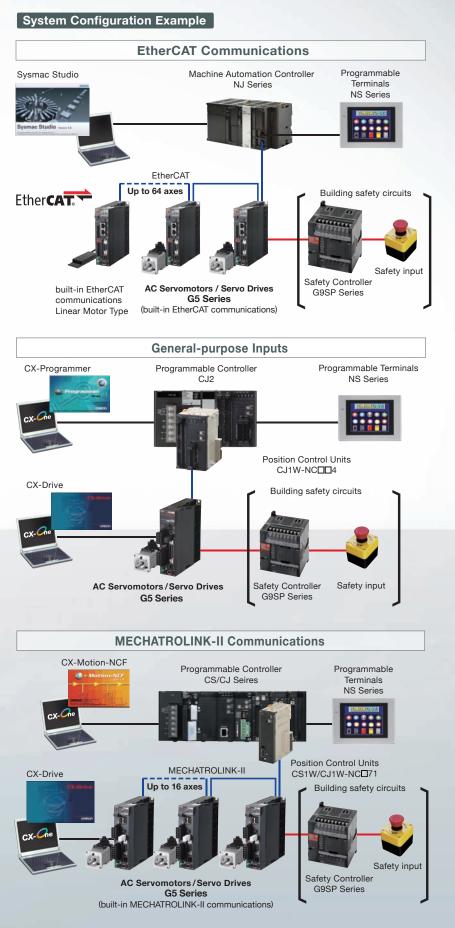
»High Speed and High Precision »International Safety Standards



Higher Throughput and Shorter Tact Time, Plus Improved Machine Safety



Achieve the fastest position control in the industry by combining the G5 with an OMRON Controller.



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High Speed and High Precision

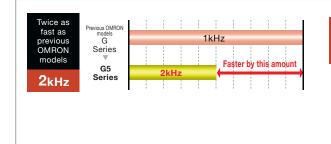
Provide Tact Time Improvement and Hig

Industry Top-class Tracking Performance

Speed Response Frequency of 2 kHz

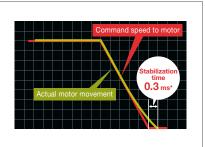
Industry V Top Class

Speed response is representative of servo system characteristics. In the G5, the industry's fastest response has been achieved at 2 kHz. By improving the speed response by twice compared to previous OMRON models, the stabilization time has been shortened and this contributes to tact time reduction.



Motion control accurately follows commands.Effective for simultaneous control as well as improving tact time.

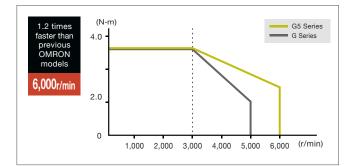
* Combination of R88D-KT01L Servo Drive and R88M-K10030L Servomotor. Example of actual measurements taken with gain adjusted by CX-Drive, with inertia ratio of x3 on ball screw mechanical system.



Reduced Tact Time with Higher Speed

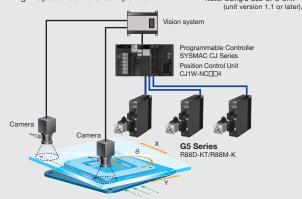
Maximum rotation speed : 6,000 r/min*

The maximum rotation speed of R88M-series Servomotors has increased to 6,000 r/min, resulting in high-speed positioning that can reduce tact time. *Applicable to 100 V/200 V models with 750 W or less.



Example of High-speed/High-precision Application

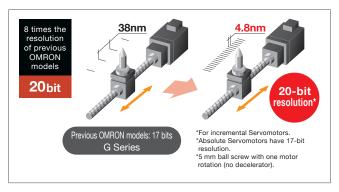
- High-Speed and, High-Precision Position Control Using Camera Compensation
- The pulse output startup time of 0.1 ms enables
 High-Speed camera compensation.
 Note: Using a CJ2 CPU Unit



Best Positioning Accuracy

Featuring a 20-bit high-resolution incremental encoder

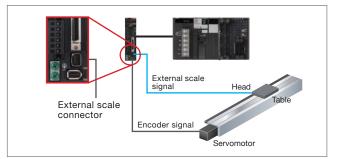
High-precision positioning can be achieved with the built-in encoder, 8 times the resolution of previous OMRON models at 20 bits.



High-precision Positioning

Fully Closed Loop Control Is a Standard Feature

High-precision and high-response positioning can be realized without being affected by temperature changes by determining the position using direct feedback of the control position from the external scale, to enable using fully closed loop control without options. (The external scale connector terminal is a standard feature.)



Safety

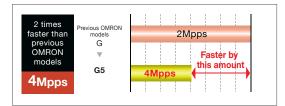
h Accuracy

Safety Motion Control That Provides Safety and Reliability

High-speed and High-precision Positioning

Pulse input response frequency: 4 Mpps

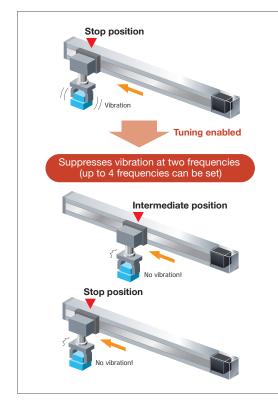
The Servo Drive response to command pulses is 4 Mpps, twice that of previous OMRON models. Response delays are thus reduced enabling high-speed and high-precision positioning.



Ideal for Applications That Require High Accuracy

Improved vibration control function

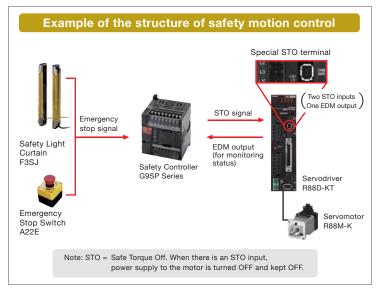
With the vibration control function, if the tip of the device is vibrating, the vibration frequency can be set to remove the vibration. It can also be used to suppress vibration resulting from starting and stopping the device, allowing precise movement.



Conforms to the Latest International Standards

Safety and Productivity

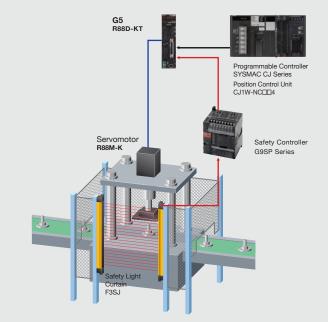
The G5 was the first to acquire international standard IEC 61800-5-2 (STO) for motion control in the industry within Japan. It also conforms to the European Directives ISO 13849-1(PLc,d) * and EN 61508 (SIL2). Safety control circuits can be constructed with the Servo Drive, delivering both safety and productivity.



* Refer to General Specification of Servo Drive for the compliance of international standards.

Safety Motion Application Example

Safety interlocks can be controlled by combining a Safety Light Curtain and Safety Motion Control.



Easy Adjustment and Reduce works to

Complete Support from Setup to Maintenance

Software

How to Select Required Support Software for Your Controller

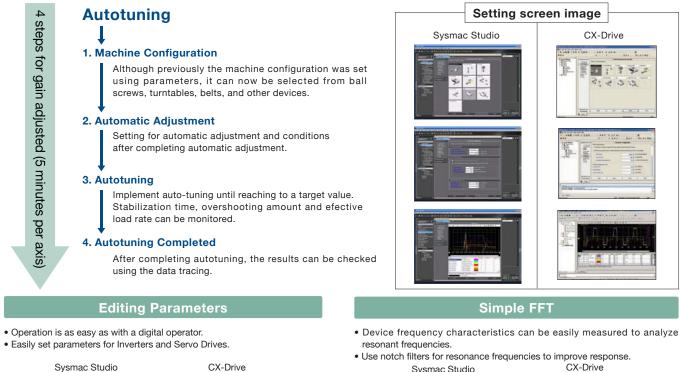
The required Support Software depends on the Controller to connect. Please check the following table when purchasing the Support Software.

Item	Omron Machine Automation Controller System	Omron PLC System
Controller	NJ-series	CS, CJ, CP, and other series
AC Servomotor/Drives	 G5-series EtherCAT Communications (Unit version 2.1 or later reccomended) EtherCAT Communications Linear Motor 	G5-series • EtherCAT Communications • EtherCAT Communications Linear Motor • General-purpose input type(PulseTrain or Analog inputs) • MECHATROLINK-II Communications
	Automation Software Sysmac Studio	FA Integrated Tool Package CX-One
Software	The Sysmac Studio provides an integrated development environment to set up, program, debug, and maintain NJ-series Controllers and other Machine Automation Controllers, as well as EtherCAT slaves.	The CX-Drive software allows you to set, transfer, and compare Servo Drive parameters, to perform trial operation and adjustments, and to monitor and trace operation. CX-Drive is bundled in CX-One.
	Setting, adjustment, monitoring/tracing with the Servo Drive can be done via an EtherCAT network.	<connecting drive="" method="" servo="" the="" with=""> - Direct connection with the Servo Drive.</connecting>
	<connecting drive="" method="" servo="" the="" with=""> - Connection via the NJ</connecting>	- Connection via a PLC (possible with the Servo Drive with built-in EtherCAT communications function)

Simple Gain Adjustment

Quickly adjust the gain using a wizard.

The autotuning feature provided with the CX-Drive makes it easy to adjust the Servo Drive gain. You can use a wizard to complete gain adjustment in approximately five minutes or less per axis simply by selecting the machine configuration and entering the target set time.





Sysmac Studio



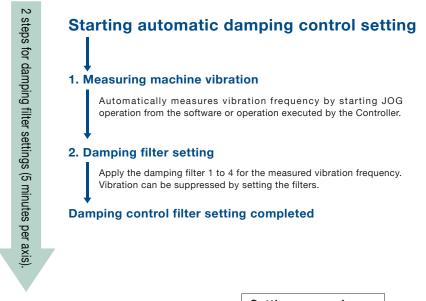


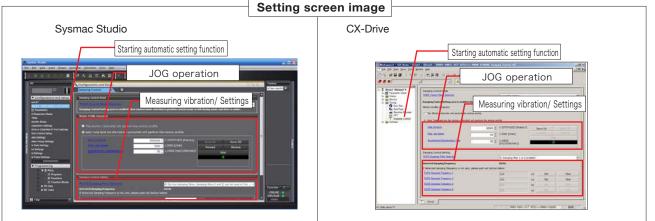


Automatic damping control setting

Settings for damping control for the axis at the tip of the machine in a short time

Automatic damping control setting function is useful to execute damping control for Servo Drives. Manual settings will not be necessary. JOG operation, measuring vibration and parameter settings can be made on one screen.





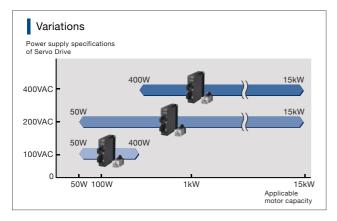


Easy Adjustment and Reduce works to System Start-up

Globalization

Lineup of 400VAC Servomotors

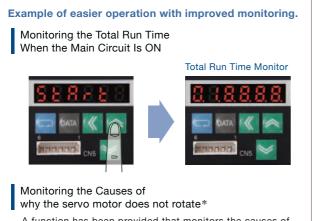
Servomotors are available for 100VAC, 200VAC, and 400VAC. And they conform to international safety standards for easy application anywhere worldwide.





Reduced Work with Increased Monitor Functions

Monitoring for preventive maintenance have been improved.



A function has been provided that monitors the causes of why the Servo motor does not move even though a rotation command has been sent.

* Supported by the Servo Drive Analog/Pulse train type only.

Flexible cable pull-out direction

Direct conenctors for power cable, encoder cable, and brake cable connection.

In case that user creates motor cables, cable pull-out direction can be changed by 180 degree. (Refer to G5 Series User's manual (Cat,No. I571/I572) for the information about applicable motor capacity and connection method).

If you use cables provided by Omron, cable pull-out direction is limited to only one direction.



Side by side installation to save space

Possible to install multiple drivers side by side.



*Drivers with 750W or less capacity only There are usage limitations including ambient temperature and load rate. Refer to G5 Series User's manual (Cat.No. 1571/572) for detailed information.

Servomotors Conform to IP67

(Excluding through-shaft parts, connector pins of Servomotor Connector and connector pins of Encoder Connector)

The power cable and encoder cable also conform to IP67 "Applicable to 3 to 20m cables of 100V/200V models with 750W or less.

The Servomotor provides IP67 protection, enhancing resistance to the environment.



Reduced Stabilization Time by Suppressing Vibration

60% cogging torque reduction (compared to previous G models)

Motor torque variation is reduced due to a 60% reduction in the cogging torque, resulting in high-precision positioning. This enables smooth operation at low speeds.

Lineup of Linear Motors to Achieve Higher Speed and Higher Precision

Prefer land and the set

Inherited functions and performance of G5 series with EtherCAT communications

EtherCAT

Linear motors joined the lineup and the following functions of G5 series achieve higher speed and higher precision.

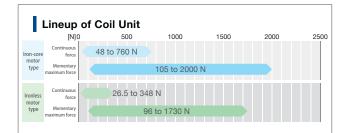
- * High-speed communication via EtherCAT communications at 100 Mbps * Autotuning for simple adjustment
- * Useful damping control function to improve device quality
- * Safety function STO (Safe Torque Off)



Selectable motors suitable for device

Iron-core motor type and ironless motor type

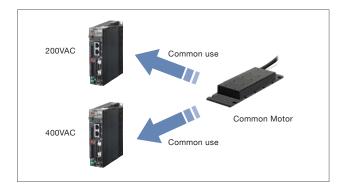
You can choose between compact and high-thrust iron-core motor type and cogging-free ironless motor type with excellent speed stability



Power supply voltage sharing iron-core motor

Using the same Iron-core motor for 200VAC/400VAC

Iron-core motor type The same motor can be used for 200VAC and 400VAC. The same maintenance parts for motors can be used regardless of device and user.



Reduced tact time with higher speed

Higher speed by direct drive

Significantly higher speed than ball screws contributes to make G5 series suitable for faster device application and reduce tact time. Maximum speed 16 m/s*

* This value is for R88L-EC-GW0309 200VAC motor. It is limited by power supply voltage, model, linear guide, linear scale, and load.

High-precision positioning

Available with various linear scales

High-precision and high-speed positioning Maximum speed at 0.01 μm of scale resolution for serial communications: 4 m/s*

* This value is for Servo Drive. It is limited by the scale specifications. Available linear scale

Serial communications (incremental/absolute), phase A/B/Z pulse type

Quick setup

Automatic setup

Automatic setup for motor parameters by selecting the motor. A wizard helps set the scale direction, magnetic pole, or current gain automatically.



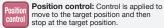
The optimum combination can be found from a v model variations to handle various applications.

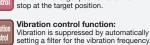
Servo Drive Variations G5 Series EtherCAT Compatible Servo Drives EtherCAT Compatible Servo Drives Linear Motor Type Servo Drives Pulse/analog inputs MECHATROLINK-II Compatible Servo Drives R88D-KN -ECT R88D-KN -ECT-L R88D-KT R88D-KN -ML2 E. E 100VAC ingle-phase ingle-phase Single-phas ingle-pha ower supply Single/ Three-phas Single/ Single/ 200VAC Three-phase Three-phase 400VAC Three-phas Three-pha 53 N 58 N 96 N 117 N 400 W 48 N 160 N 175 N 50 W 400 W 50 W 100VAC Single-26.5 N 48 N 53 N phase Motor Single/ 117 N 900 1 1.5 W kW kW 160 N 175 N 400 W 750 W 200VAC 200 400 W 96 N 750 W 900 W 200 W Capacity/Force Three-phase Three 2 kW 11 kW 15 kW 6 kW 7.5 kW 3 kW 4 kW 7.5 kW 2 kW phase 750 W 1 kW 600 W 750 W 1 kW 400 W 900 W 750 W 900 W 900 W 1.5 kW 600 W 1 kW Three 400VAC 608 N 48 N 96 N phase 7.5 kW 3 kW 4 kW 5 kW 4 kW 4.5 kW 5 kW 6 kW 7.5 kW 11 kW 15 kW 2 kW 3 kW 4 kW 4.5 kW 5 kW 6 kW 11 kW 2 kW 15 kW Command type FCT ECT мі : Speed Torque Torque control Speed Torque control beed Forque Speed Control modes Control mode switching Tuning Vibration control <u>UTO</u> 32 AUT(32 Autotuning tunctions Realtime autotuning Conforms to international fety safety standards Fully Fully closed Servo Drive **Torque limits** funct 1NC 20 Encoder output ons Internal set speeds *1. Two limits. *2. Two adaptive filters and two notch filters.

Refer to Ordering Information for details on combining Drives and Servomotors.



ECT





Adaptive filter: The machine load inertia is calculated in realtime and the result is used to automatically set the optimum gain

ECT: EtherCAT high-speed Servo communications motion network.



Internal set speeds: Speed control according to the internal set speed that is set for the parameter. Up to 8 internal set speeds can be selected.



Speed control: Control is applied to peed ontrol change the linear or rotational speed. For example, speed control is used for applications such as turning grindstones, controlling welding speeds, and controlling feeding speeds.

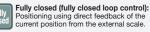
Autotuning: This function AUTO automatically sets an appropriate gain based on the rigidity setting of the machine load; 32 levels of rigidity settings are possible. 32

Safety function: Conforms to IEC 61800-5-2 (STO), EN ISO 13849-1: 2008 (PLc,d), ISO 13849-1: 2006(PLc,d) and EN 61508 (SIL2). Analog: The speed and torque are input to the Servo as analog signals

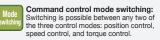




Absolute output: When the Controller power supply is turned ON, the Controller reads the Servo absolute position data to restore the absolute position.



ML2: MECHATROLINK-II high-speed Servo communications motion network. (See note.)





Incremental output: When the controller power supply is turned ON, operation is always started from the origin. A 20-bit resolution is provided on models with incremental outputs.

Torque limit: Switching is possible between the first torque limit and the second torque limit to limit the Servomotor output torque.

ariety of functions and

		Series AC Servo	motor					G5 Series	Linear Motor
	Servomotors with EtherCAT Compatible, General-purpose inputs and MECHATROLINK-II Compatible Servomotors							Servomotors with EtherCAT Compatible Linear motor Type	
	R88M-K							R88L-EC-FW-	R88L-EC-GW-
									- and and
Motor type		Cylinder type –				۰.			
Rated speed	1000r/min	2000r/min			١.		Motor type	Iron-core	Ironless
50W			INC	20			26.5N		Iron less
100W			ABS	INC 20			48N	Iron core	
200W			ABS	INC 20			53N		Iron less
400W		ABS INC 20	ABS	INC 20			58N		Iron less
600W		ABS INC 20]				80N		Iron less
750W			ABS	INC 20			96N	Iron core	
900W	ABS INC 20						117N		Iron less
1kW		ABS INC 20	ABS	INC 20		<u>ا</u>	160N	Iron core	
1.5kW		ABS INC 20	ABS	INC 20		near M	175N		Iron less
2kW	ABS INC 20	ABS INC 20	ABS	INC 20		otor Fc	232N		Iron less
3kW	ABS INC 20	ABS INC 20	ABS	INC 20		orce	240N	Iron core	
4kW		ABS INC 20	ABS	INC 20			320N	Iron core	
4.5kW	ABS						348N		Iron less
5kW		ABS INC 20	ABS	INC 20			608N	Iron core	
6kW	ABS						760N		
7.5kW		ABS *							
11kW									
15kW									
	Rated speed 50W 100W 200W 400W 600W 750W 900W 1.5kW 2.kW 3.kW 4.5kW 6.5kW 4.5kW 1.5kW 1.5kW 1.5kW 1.5kW 1.5kW 1.5kW 1.5kW 1.5kW	Rated speed 1000r/min 50W 1000r/min 100W	Rated speed 1000r/min 2000r/min 50WV 2000r/min 2000r/min 100W	Rated speed 1000r/min 2000r/min 300 50W	Rated speed 1000r/min 2000r/min 3000r/min 50W Image: Speed Image: Speed<	Rated speed 1000r/min 2000r/min 3000r/min 50W I.000r/min I.000r/min IIII IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Rated speed 1000r/min 2000r/min 3000r/min 50W 1000r/min 2000r/min 3000r/min 100W	Rated speed 1000r/min 2000r/min 3000r/min Motor type Sow 1000r/min 2000r/min 3000r/min 120 4800 1000w 1000r/min 1000r	Raidd speed 1000//min 2000//min 3000//min Middr type Iron-core S0W Image: 1000 //min Image: 10

Functions

ABS INC

Iron core

absolute/Incremental output: The Servomotor can be switched between an absolute output and an Incremental output. When an absolute output is selected and the Controller power supply is turned ON, the Controller reads the Servo absolute position data to restore the absolute position. A-17bit resolution is provided on model with an absolute output and an incremental output.



Incremental output: When the controller power supply is turned ON, operation is always started from the origin. A 20-bit resolution is provided on models with incremental outputs.

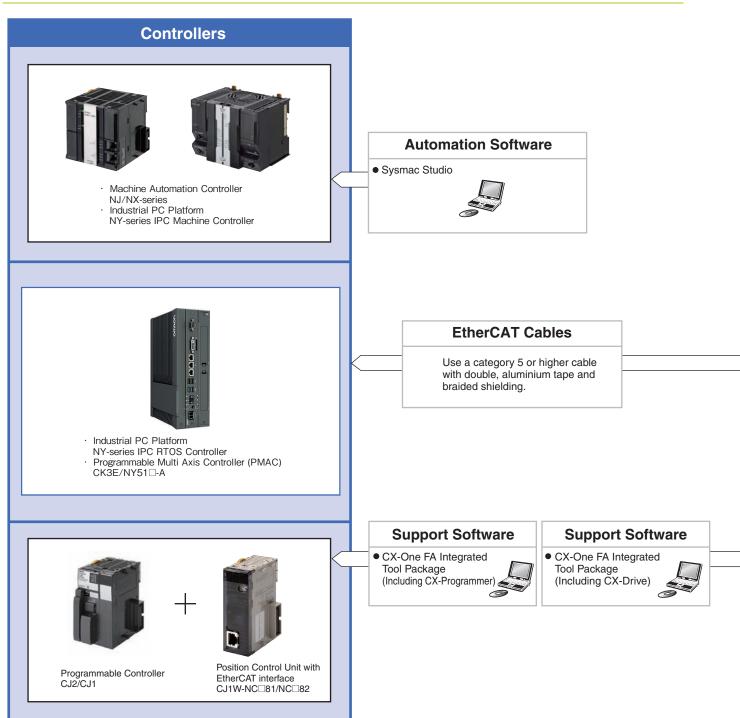
Iron-core: Coil units consist of cores and coils. Compact and high-thrust type.

lron less

Ironless: Coil units do not include a core. Cogging-free type with excellent speed stability.

G5 Series AC Servomotor/Servo Drives with built-in EtherCAT Communications **R88N-K/R88D-KN**-ECT

System Configuration

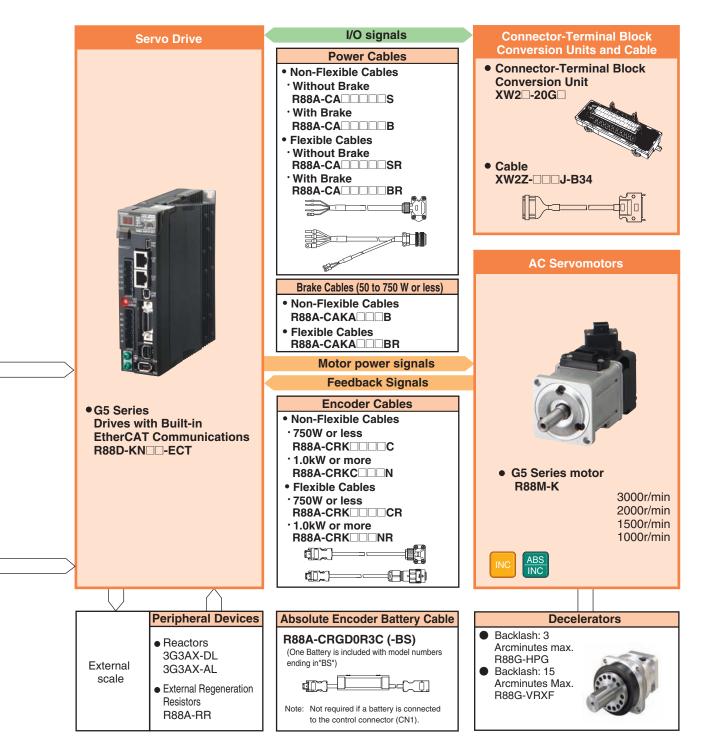


Note: PMAC is an abbreviation for Programmable Multi Axis Controller.

High-Speed and High-Precision G5 Series EtherCAT Communications with the Controller

- High-accuracy positioning with fully-closed control.
- Servo Drives for 400VAC globally widens applicable systems and environment, including large-scale equipment.
- Safe design and Safe Torque Off (STO) function.
- Vibration can be suppressed in acceleration/deceleration even in low-rigidity mechanical systems.

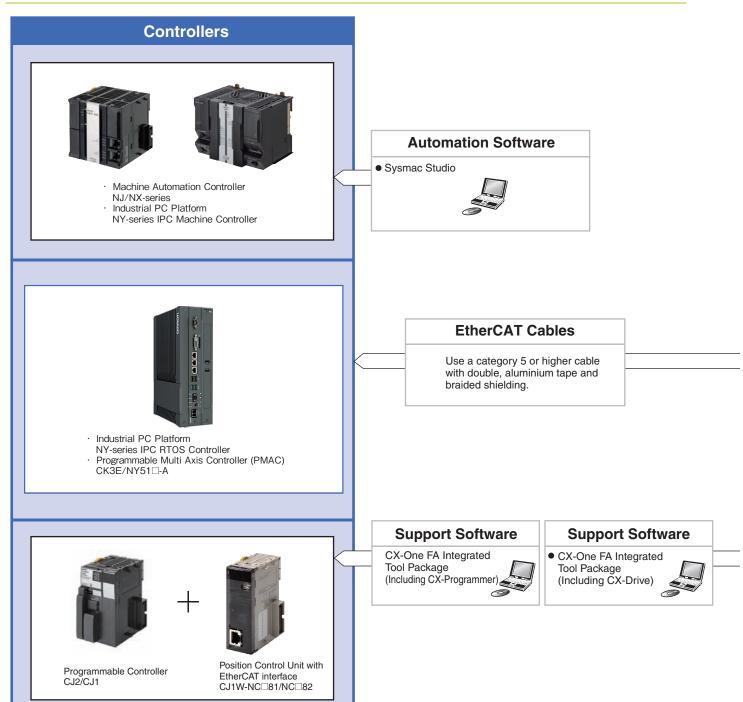




G5 Series Linear Motor/Servo Drives with built-in EtherCAT Communications Linear Motor Type

R88L-EC/R88D-KND-ECT-L

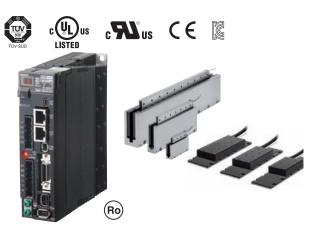
System Configuration

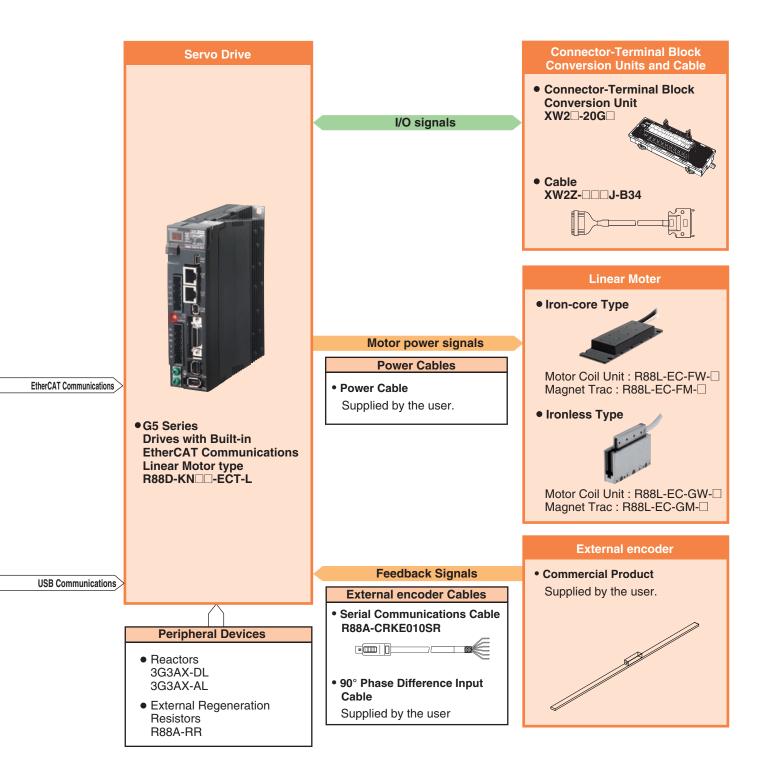


Note: PMAC is an abbreviation for Programmable Multi Axis Controller.

Linear Motor for Higher-speed and Higher-precision

- Inherited functions and performance of G5 series and EtherCAT communications achieve high-speed and high-precision positioning.
- Lineup of compact and high-thrust iron-core motor type and cogging-free ironless motor type with excellent speed stability.
- Same Iron-core motor type for 200V AC and 400V AC.
- Quick setup by automatic setup function.

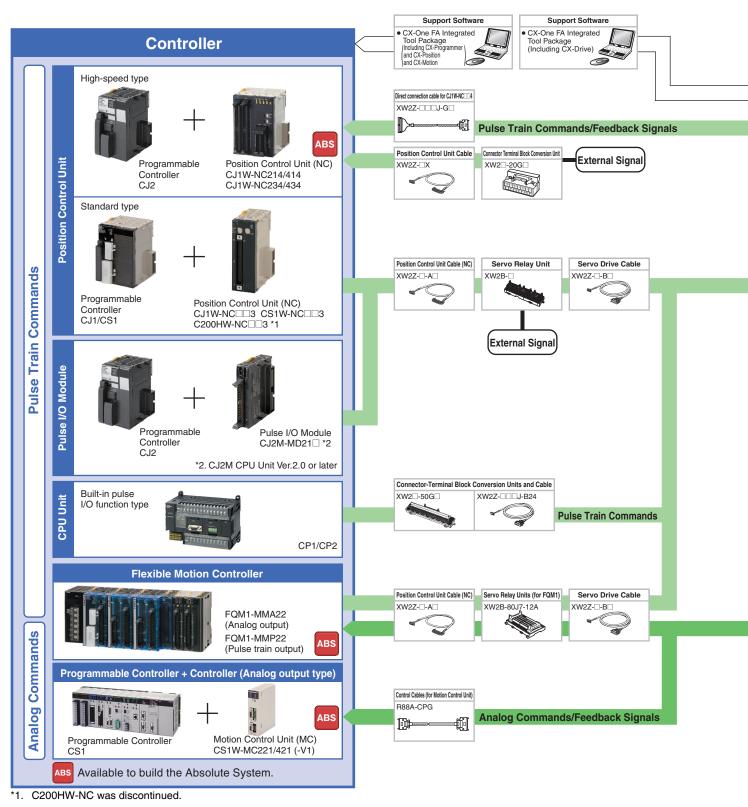




G5-series AC Servomotors/Servo Drives with General-purpose Pulse Train or Analog Inputs

R88M-K/R88D-KT

System Configuration



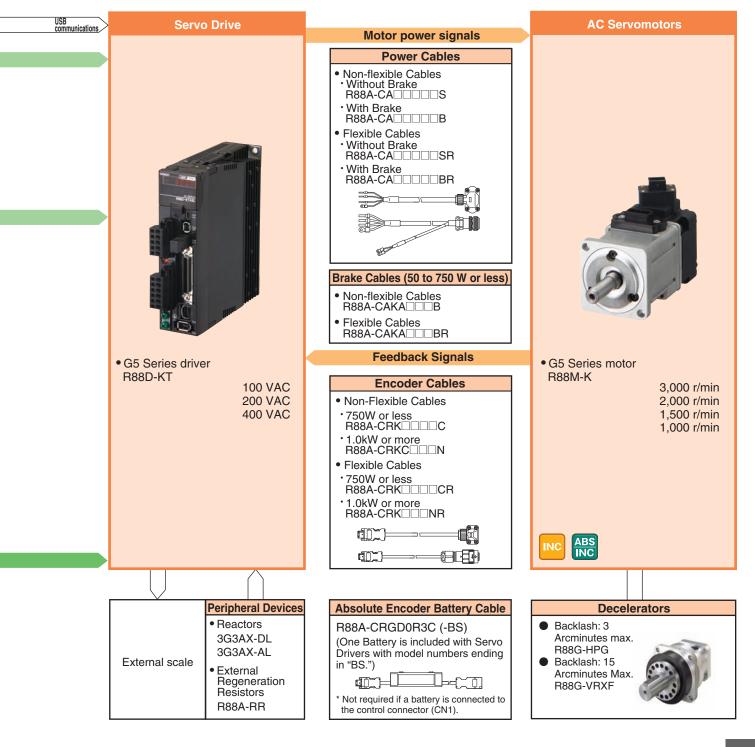
OMRON

AC Servomotor/Drive G5-series

The Preeminent Servo That Revolutionizes Motion Controll

- Industry Top-class Tracking Performance. Speed Response Frequency of 2 kHz.
- Best Positioning Accuracy*. Featuring a 20-bit high-resolution incremental encoder. *8 times the resolution of previous OMRON models
- High-precision Positioning. Fully Closed Loop Control Is a Standard Feature.
- Conforms to the Latest International Standards. Safety and Productivity.
- Globalization. Lineup of 400 VAC Servomotors.

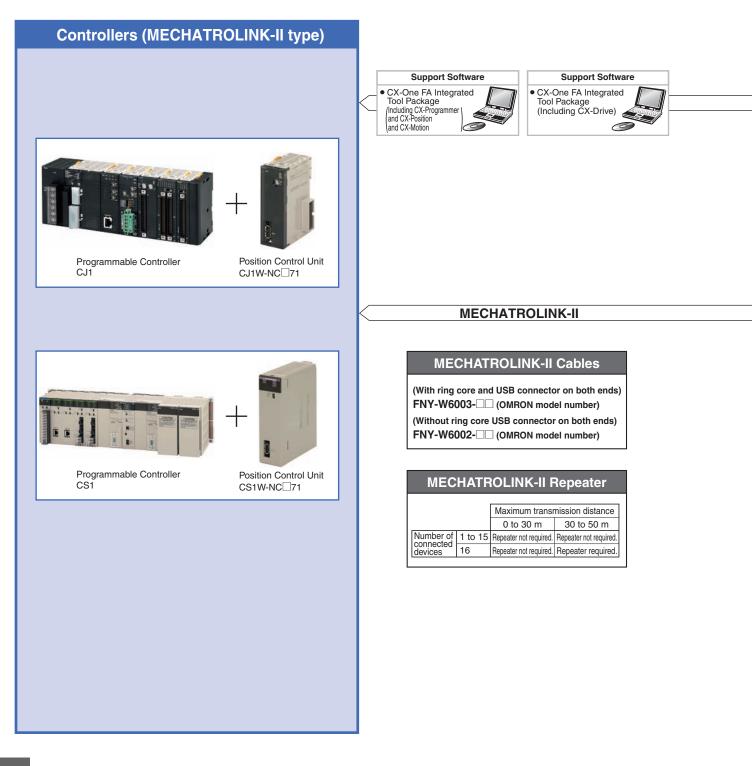




G5-series AC Servomotors/Servo Drives with Built-in MECHATROLINK-II Communications

R88M-K/R88D-KND-ML2

System Configuration



AC Servomotor/Drive G5-series

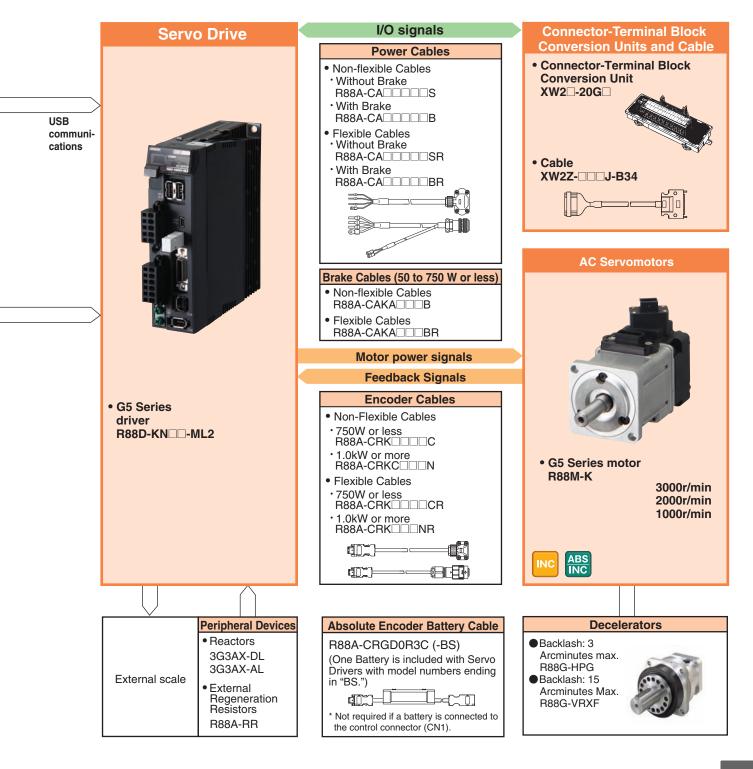
High-Speed and High-Precision G5 Series MECHATROLINK-II Communications with the Controller

 Data transfer using MECHATROLINK-II Communications:

All control data that can be interfaced between the Servo Driver and the Controller is transmitted using data communications. This enables maximizing the Servomotor performance without restricting the transmission performance of the control signals.

• Having a communications module built into the Servo Driver significantly saves space in the control panel.





AC Servomotor/Drive G5-series

MEMO

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Ordering Information

Product name	AC Servomotors / Linear Motors / Servo Drives G5-series	
Interpreting Mod	del Numbers	B-2
■ AC Servo ■ AC Servo ■ Linear M ■ Understa	o Drive Rotary Motor Type Model Numbers o Drive Linear Motor Type Model Numbers omotor Model Numbers otor Model Numbers anding Decelerator Model Numbers h = 3' Max./Backlash = 15' Max.)	
Table of AC Serv	vomotor Variations	B-5
Ordering Inform	ation	B-6
Ether(Linear Gener	ves CAT Communications r Motor with built-in EtherCAT communications ral-purpose Inputs IATROLINK-II Communications	B-6
	ors	
	S	
	(Backlash = 3' Max./Backlash = 15' Max.) and Cables	
■ Connecti (Non-f	ion Cables (Power Cables, Brake Cables, Encoder Cables) flexible Cables) ble Cables)	
■ Commun ●For ME		
■ Peripher (External ■ Support	Regeneration Resistors, Reactors, Mounting Brackets)	
Combination tab	ole	B-25
■ AC Serve ■ Linear M ■ Controlle	o Drive and Servomotor Combinations omotor and Decelerator Combinations otor and AC Servo Drive Linear Motor Type Combinations er Combinations ombinations	
Related Manuals	\$	B-37
As a Sysmac Device, t	he G5-series AC Servomotor/Servo Drive with Built-in EtherCAT Comm	unications

is designed to provide optimal functionality and enhanced operability when used in conjunction with a Machine Automation Controller such as NJ series and the automation software Sysmac Studio. Sysmac Device is a generic term for OMRON control devices such as an EtherCAT Slave, designed with unified communications specifications and user interface specifications.

When connecting a Servo Drive to the NJ5 series Machine Automation Controller, it is recommended that you use the Servo Drive with Built-in EtherCAT Communications, R88D-KN $\Box\Box$ -ECT, with unit version 2.1 or later.

AC Servomotor/Drive G5-series

Interpreting Model Numbers

AC Servo Drive Rotary Motor Type Model Numbers

(5)

R88D-K N 01 H -ECT

(1) (2) (3) (4)

No	Item	Symbol	Specifications
(1)		G5-se	eries Servo Drive
(0)		Т	Analog input/Pulse train input type
(2)	Drive Type	N	Communication type
		A5	50 W
		01	100 W
		02	200 W
		04	400 W
		06	600 W
	Maximum	08	750 W
(0)	Applicable	10	1 kW
(3)	Servomotor	15	1.5 kW
	Capacity	20	2 kW
		30	3 kW
		40	4 kW
		50	5 kW
		75	7.5 kW
		150	15 kW
		L	100 VAC
(4)	Power Supply Voltage	н	200 VAC
	vollage	F	400 VAC
		Blank	General-purpose Inputs
(5)	Network type	-ML2	MECHATROLINK-II Communications
		-ECT	EtherCAT Communications

AC Servo Drive Linear Motor Type Model Numbers

R88D-K N 01 H -ECT -L

No	Item	Symbol	Specifications			
(1)		G5-series Servo Drive				
(2)	Drive Type	N	Communication type			
		01	100 W			
		02	200 W			
		04	400 W			
	Maximum	06	600 W			
(3)	(3) Applicable Linear Motor	08	750 W			
	Capacity	10	1 kW			
		15	1.5 kW			
		20	2 kW			
		30	3 kW			
		L	100 VAC			
(4)	Power Supply Voltage	Н	200 VAC			
	voltage	F	400 VAC			
(5)	Network type	-ECT	EtherCAT Communications			
(6)	Motor type	-L	Linear Motor			

AC Servomotor Model Numbers R88M-K 750 30 H -BO S2

	(1)	(2) (3) (4) (5) (6)
No	Item	Symbol	Specifications
(1)		G5-se	eries Servomotor
(2)	Motor Type	Blank	Cylinder type
		050	50 W
		100	100 W
		200	200 W
		400	400 W
		600	600 W
		750	750 W
		900	900 W
		1K0	1 kW
(0)	Servomotor	1K5	1.5 kW
(3)	Capacity	2K0	2 kW
		3K0	3 kW
		4K0	4 kW
		4K5	4.5 kW
		5K0	5 kW
		6K0	6 kW
		7K5	7.5 kW
		11K0	11 kW
		15K0	15 kW
		10	1,000 r/min
	Rated Rotation	15	1,500 r/min
(4)	Speed	20	2,000 r/min
		30	3,000 r/min
		F	400 VAC (with incremental encoder specifications)
		н	200 VAC (with incremental encoder specifications)
(5)	Applied Voltage	L	100 VAC (with incremental encoder specifications)
(5)	Applied Voltage	С	400 VAC (with absolute encoder specifications)
		т	200VAC (with absolute encoder specifications)
		S	100 VAC (with absolute encoder specifications)
		Blank	Straight shaft
	Ontion	В	With brake
(6)	Option	0	With oil seal
		S2	With key and tap

Note: INC incremental encoder: 20bit

ABS/INC incremental encoder: 17bit, absolute encoder: 17bit

(5)

(5)

Linear Motor Iron-core linear motor **Motor Coil Unit**

R88L-EC -FW -03 03 -A NP C (1) (2) (3) (4) (5) (7) (6)

No	Item	Symbol	Specifications			
(1)		G5-series Linear Motor				
(2)	Part Type	FW	Iron-core type Motor Coil Unit			
		03	30mm			
(3)	Effective Magnet Width	06	60mm			
		11	110mm			
		03	3-coil			
		06	6-coil			
(4)	Coil Model	09	9-coil			
		12	12-coil			
		15	15-coil			
(5)	Version	А	Ver.A			
(6)	Connector	NP	Not Provided			
(7)	Туре	С	Compact type			

Magnet Trac

R88L-EC -FM -03 096 -A

(1) (2)

(3) (4)

No	Item	Symbol	Specifications			
(1)		G5-series Linear Motor				
(2)	Part Type	FM	Iron-core type Magnet Trac			
		03	30mm			
(3)	(3) Effective Magnet Width	06	60mm			
		11	110mm			
		096	96mm			
		144	144mm			
(4)	Magnet Trac Unit Length	192	192mm			
	- 3	288	288mm			
		384	384mm			
(5)	Version	Α	Ver.A			

Ironless linear motor

Motor Coil Unit

R88L-EC -GW -03 03 -A NP S (1) (3) (4) (5) (6) (7) (2)

No	Item	Symbol	Specifications		
(1)	G5-series Linear Motor				
(2)	Part Type	GW	Ironless type Motor Coil Unit		
		03	30mm		
(3)	Effective Magnet Width	05	50mm		
		07	70mm		
	Coil Model	03	3-coil		
(4)		06	6-coil		
		09	9-coil		
(5)	Version	А	Ver.A		
(6)	Connector	NP	Not Provided		
(7)	Туре	S	Standard type		

Magnet Trac

(1)

R88L-EC -GM -03 090 -A (2) (4) (3)

No Item Symbol Specifications (1) G5-series Linear Motor Ironless type Magnet Trac (2) Part Type GM 03 30mm Effective Magnet 05 50mm (3) Width 07 70mm 090 90mm 114mm 114 120 120mm 126 126mm 168 168mm Magnet Trac Unit (4) Length 171 171mm 210mm 210 390 390mm 456 456mm 546 546mm Ver.A (5) Version А

Understanding Decelerator Model Numbers (Backlash = 3' Max./Backlash = 15' Max.)

Refer to the *Decelerators* in *Ordering Information* for motor capacity and decelerator combinations.

Backlash = 3' Max.

$\frac{\text{R88G-HPG}}{(1)} \frac{14\text{A}}{(2)} \frac{05}{(3)} \frac{100}{(4)} \frac{\text{S}}{(5)} \frac{\text{B}}{(6)} \frac{\text{J}}{(7)}$

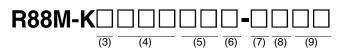
Backlash = 15' Max.

$\frac{\mathsf{R88G-VRXF}}{(1)} \xrightarrow[(2)]{0} \frac{\mathsf{09}}{(3)} \xrightarrow[(4)]{100} \frac{\mathsf{C}}{(5)} \xrightarrow[(6)]{0} \frac{\mathsf{J}}{(7)}$

No	Item	Symbol	Specifications
(1)	Decelera	ator for Sei	rvomotors Backlash = 3' Max.
		11B	□40
		14A	□60
(0)	Flange Size	20A	90
(2)	Number	32A	□120
		50A	□170
		65A	□230
		05	1/5
		09	1/9
		11	1/11
(2)	Gear Ratio	20	1/20
(3)	Gear hallo	21	1/21
		25	1/25
		33	1/33
		45	1/45
		050	50 W
		100	100 W
		200	200 W
		400	400 W
		750	750 W
	Applicable	900	900 W
(4)	Servomotor	1K0	1 kW
	Capacity	1K5	1.5 kW
		2K0	2 kW
		3K0	3 kW
		4K0	4 kW
		4K5	4.5 kW
		5K0	5 kW
		Blank	3,000-r/min cylindrical servomotors
(5)	Motor Type	S	2,000-r/min cylindrical servomotors
		Т	1,000-r/min cylindrical servomotors
(6)	Backlash	В	Backlash = 3' Max
(7)	Option	Blank	Straight shaft
(7)	Option	J	With key and tap

No	Item	Symbol	Specifications			
(1)	Decelerator for Servomotor Backlash: 15 Arcminutes max.					
		05	1/5			
(2)	Gear Ratio	09	1/9			
(2)	Gear hallo	15	1/15			
		25	1/25			
		В	52			
(3)	Flange Size Number	С	□78			
		D	□98			
		100	50 W, 100 W			
(4)	Applicable Servomotor	200	200 W			
(4)	Capacity	400	400 W			
		750	750 W			
(5)	Backlash	С	Backlash = 15' Max			
(6)	Option	J	With key and tap			

Table of AC Servomotor Variations



(3)	(4)	(5)	(6)							(7)	(8)	(9)
				Applied Voltage						With I	orake /				
	Applicable		Model	INC	INC	INC	ABS	ABS	ABS	Without brake		Model: oil se		Shaft type	
Туре	Servomotor	Rotation speed	Woder	400	200	100	400	200	100	-	В	01 5	Juis		
	Capacity			F	н	L	с	т	s	Blank	With brake	Blank	0	Blank	S2
	50 W		R88M-K05030 *1		\checkmark			\checkmark		\checkmark			\checkmark	\checkmark	\checkmark
	100 W		R88M-K10030		\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	200 W		R88M-K20030		\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	400 W		R88M-K40030		\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	750 W		R88M-K75030	\checkmark	\checkmark		\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	1 kW	3,000 r/min	R88M-K1K030	\checkmark	\checkmark		\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	1.5 kW		R88M-K1K530	\checkmark	\checkmark		\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	2 kW		R88M-K2K030	\checkmark	\checkmark		\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	3 kW	-	R88M-K3K030	\checkmark	\checkmark		\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	4 kW	-	R88M-K4K030	\checkmark	\checkmark		\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	5 kW		R88M-K5K030	\checkmark	\checkmark		\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	400 W	2,000 r/min	R88M-K40020	\checkmark			\checkmark			\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	600 W		R88M-K60020	\checkmark			\checkmark			\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
Cylinder	1 kW		R88M-K1K020	\checkmark	\checkmark		\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	1.5 kW		R88M-K1K520	\checkmark	\checkmark		\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	2 kW		R88M-K2K020	\checkmark	\checkmark		\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	3 kW		R88M-K3K020	\checkmark	\checkmark		\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	4 kW		R88M-K4K020	\checkmark	\checkmark		\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	5 kW		R88M-K5K020	\checkmark	\checkmark		\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	7.5 kW		R88M-K7K515 *2				\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	11 kW	-	R88M-K11K015 *2				\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	15 kW		R88M-K15K015 *2				\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	900 W		R88M-K90010	\checkmark	\checkmark		\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	2 kW	-	R88M-K2K010	\checkmark	\checkmark		\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	3 kW	1,000 r/min	R88M-K3K010	\checkmark	\checkmark		\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	
	4.5 kW		R88M-K4K510				\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	
	6 kW	1	R88M-K6K010				\checkmark	\checkmark		\checkmark			\checkmark	\checkmark	\checkmark
Blank: Cylinder type	example 030: 30 W 100: 100 W 1K0: 1 kW	10: 1,000 r/min 20: 2,000 r/min 30: 3,000 r/min		H: 200 L: 100 C: 400 T: 200	VAC (wi VAC (wi VAC (wi VAC (wi	th increr th incren th absol th absol	mental en mental e nental en ute enco ute enco ute enco	ncoder) ncoder) oder) AE der) AB	INC INC S/INC S/INC	Blank: Withou brake B: 24 VD With b	С	Blank: Withou seals O: With seals		Blank: Straigh S2: With ke tap	

***1.** R88M-K05030H-□, R88M-K05030T-□, can be used for Power Supply Voltage of 100/200VAC. ***2.** The rated speed is 1,500 r/min.

Ordering Information

AC Servo Drives EtherCAT Communications

Specif	ications			
Power Model Supply Voltage	Applicable Servomotor Capacity	Model		
	50 W	R88D-KNA5L-ECT		
Single-phase	100 W	R88D-KN01L-ECT		
100 VAC	200 W	R88D-KN02L-ECT		
	400 W	R88D-KN04L-ECT		
	100 W	R88D-KN01H-ECT		
Single-	200 W	R88D-KN02H-ECT		
phase/three-	400 W	R88D-KN04H-ECT		
phase	750 W	R88D-KN08H-ECT		
200 VAC	1 kW	R88D-KN10H-ECT		
	1.5 kW	R88D-KN15H-ECT		
	2 kW	R88D-KN20H-ECT		
	3 kW	R88D-KN30H-ECT		
Three-phase 200 VAC	5 kW	R88D-KN50H-ECT		
200 140	7.5 kW	R88D-KN75H-ECT		
	15 kW	R88D-KN150H-ECT		
	600 W	R88D-KN06F-ECT		
	1 kW	R88D-KN10F-ECT		
	1.5 kW	R88D-KN15F-ECT		
Three-phase	2 kW	R88D-KN20F-ECT		
400 VAC	3 kW	R88D-KN30F-ECT		
	5 kW	R88D-KN50F-ECT		
	7.5 kW	R88D-KN75F-ECT		
	15 kW	R88D-KN150F-ECT		

Note: When connecting a Servo Drive to the NJ5 series Machine Automation Controller, it is recommended that you use the Servo Drive with Built-in EtherCAT Communications, R88D-KN - ECT, with unit version 2.1 or later.

General-purpose Inputs (Analog input/Pulse train input type)

Specif	ications			
Power Supply Voltage	Applicable Servomotor Capacity	Model		
	50 W	R88D-KTA5L		
Single-phase	100 W	R88D-KT01L		
100 VAC	200 W	R88D-KT02L		
	400 W	R88D-KT04L		
	100 W	R88D-KT01H		
Single-	200 W	R88D-KT02H		
phase/three-	400 W	R88D-KT04H		
phase 200 VAC	750 W	R88D-KT08H		
200 VAC	1 kW	R88D-KT10H		
	1.5 kW	R88D-KT15H		
	2 kW	R88D-KT20H		
	3 kW	R88D-KT30H		
Three-phase 200 VAC	5 kW	R88D-KT50H		
	7.5 kW	R88D-KT75H		
	15 kW	R88D-KT150H		
	600 W	R88D-KT06F		
	1 kW	R88D-KT10F		
	1.5 kW	R88D-KT15F		
Three-phase	2 kW	R88D-KT20F		
400 VÁC	3 kW	R88D-KT30F		
	5 kW	R88D-KT50F		
	7.5 kW	R88D-KT75F		
	15 kW	R88D-KT150F		

Linear Motor with built-in EtherCAT communications

Specif	ications			
Power Supply Voltage	Applicable Servomotor Capacity	Model		
.	100 W	R88D-KN01L-ECT-L		
Single-phase 100 VAC	200 W	R88D-KN02L-ECT-L		
	400 W	R88D-KN04L-ECT-L		
	100 W	R88D-KN01H-ECT-L		
Single-	200 W	R88D-KN02H-ECT-L		
phase/three-	400 W	R88D-KN04H-ECT-L		
phase 200 VAC	750 W	R88D-KN08H-ECT-L		
200 VAC	1 kW	R88D-KN10H-ECT-L		
	1.5 kW	R88D-KN15H-ECT-L		
	600 W	R88D-KN06F-ECT-L		
	1 kW	R88D-KN10F-ECT-L		
Three-phase 400 VAC	1.5 kW	R88D-KN15F-ECT-L		
	2 kW	R88D-KN20F-ECT-L		
	3 kW	R88D-KN30F-ECT-L		

MECHATROLINK-II Communications

Specif	ications			
Power Supply Voltage	Applicable Servomotor Capacity	Model		
	50 W	R88D-KNA5L-ML2		
Single-phase	100 W	R88D-KN01L-ML2		
100 VAC	200 W	R88D-KN02L-ML2		
	400 W	R88D-KN04L-ML2		
	100 W	R88D-KN01H-ML2		
Single	200 W	R88D-KN02H-ML2		
Single- phase/three-	400 W	R88D-KN04H-ML2		
phase	750 W	R88D-KN08H-ML2		
200 VAC	1 kW	R88D-KN10H-ML2		
	1.5 kW	R88D-KN15H-ML2		
	2 kW	R88D-KN20H-ML2		
Three-phase 200 VAC	3 kW	R88D-KN30H-ML2		
200 140	5 kW	R88D-KN50H-ML2		
	600 W	R88D-KN06F-ML2		
	1 kW	R88D-KN10F-ML2		
Three-phase	1.5 kW	R88D-KN15F-ML2		
400 VAC	2 kW	R88D-KN20F-ML2		
	3 kW	R88D-KN30F-ML2		
	5 kW	R88D-KN50F-ML2		

B-6

AC Servomotors

<Cylinder Type> 3,000-r/min servomotors

Rotatio	n speed Enco	der Option			
		O Without key			
3,000) r/min ABS/I	NC With key			
		_	Model		
	Specificat	ions	With incremental encoder		
	r		Straight shaft with key and tap		
	Voltage	Rated output	Without oil seals		
		50 W	R88M-K05030H-S2		
		100 W	R88M-K10030L-S2		
	100 V	200 W	R88M-K20030L-S2		
		400 W	R88M-K40030L-S2		
		50 W	R88M-K05030H-S2		
		100 W	R88M-K10030H-S2		
		200 W	R88M-K20030H-S2		
		400 W	R88M-K40030H-S2		
		750 W	R88M-K75030H-S2		
ake	200 V	1 kW	R88M-K1K030H-S2		
bra		1.5 kW	R88M-K1K530H-S2		
Iout		2 kW	R88M-K2K030H-S2		
Without brake		3 kW	R88M-K3K030H-S2		
-		4 kW	R88M-K4K030H-S2		
		5 kW	R88M-K5K030H-S2		
		750 W	R88M-K75030F-S2		
		1 kW	R88M-K1K030F-S2		
		1.5 kW	R88M-K1K530F-S2		
	400 V	2 kW	R88M-K2K030F-S2		
		3 kW	R88M-K3K030F-S2		
		4 kW	R88M-K4K030F-S2		
		5 kW	R88M-K5K030F-S2		
		50 W	R88M-K05030H-BS2		
	100 V	100 W	R88M-K10030L-BS2		
	100 V	200 W	R88M-K20030L-BS2		
		400 W	R88M-K40030L-BS2		
		50 W	R88M-K05030H-BS2		
		100 W	R88M-K10030H-BS2		
		200 W	R88M-K20030H-BS2		
		400 W	R88M-K40030H-BS2		
		750 W	R88M-K75030H-BS2		
ke	200 V	1 kW	R88M-K1K030H-BS2		
With brake		1.5 kW	R88M-K1K530H-BS2		
Vith		2 kW	R88M-K2K030H-BS2		
5		3 kW	R88M-K3K030H-BS2		
		4 kW	R88M-K4K030H-BS2		
		5 kW	R88M-K5K030H-BS2		
		750 W	R88M-K75030F-BS2		
		1 kW	R88M-K1K030F-BS2		
		1.5 kW	R88M-K1K530F-BS2		
	400 V	2 kW	R88M-K2K030F-BS2		
		3 kW	R88M-K3K030F-BS2		
		4 kW	R88M-K4K030F-BS2		
		5 kW	R88M-K5K030F-BS2		

|--|

Rotation speed	Encoder	Option		
3,000 r/min	INC			
3,000 1/11111	ABS/INC	With key		

			Model			
Specifications		ions	With incremental encoder			
			Straight shaft without key			
	Voltage	Rated output	Without oil seals			
		50 W	R88M-K05030H			
	100 V	100 W	R88M-K10030L			
		200 W	R88M-K20030L			
		400 W	R88M-K40030L			
		50 W	R88M-K05030H			
		100 W	R88M-K10030H			
		200 W	R88M-K20030H			
		400 W	R88M-K40030H			
Ð		750 W	R88M-K75030H			
Without brake	200 V	1 kW	R88M-K1K030H			
utb		1.5 kW	R88M-K1K530H			
tho		2 kW	R88M-K2K030H			
Ň		3 kW	R88M-K3K030H			
		4 kW	R88M-K4K030H			
		5 kW	R88M-K5K030H			
	400 V	750 W	R88M-K75030F			
		1 kW	R88M-K1K030F			
		1.5 kW	R88M-K1K530F			
		2 kW	R88M-K2K030F			
		3 kW	R88M-K3K030F			
		4 kW	R88M-K4K030F			
		5 kW	R88M-K5K030F			
		50 W	R88M-K05030H-B			
	100 V	100 W 200 W	R88M-K10030L-B R88M-K20030L-B			
		200 W 400 W	R88M-K40030L-B			
		400 W	R88M-K05030H-B			
		100 W	R88M-K10030H-B			
		200 W	R88M-K20030H-B			
		400 W	R88M-K40030H-B			
		750 W	R88M-K75030H-B			
	200 V	1 kW	R88M-K1K030H-B			
With brake	200 1	1.5 kW	R88M-K1K530H-B			
q		2 kW	R88M-K2K030H-B			
Wit		3 kW	R88M-K3K030H-B			
		4 kW	R88M-K4K030H-B			
		5 kW	R88M-K5K030H-B			
		750 W	R88M-K75030F-B			
		1 kW	R88M-K1K030F-B			
		1.5 kW	R88M-K1K530F-B			
	400 V	2 kW	R88M-K2K030F-B			
		3 kW	R88M-K3K030F-B			
		4 kW	R88M-K4K030F-B			
		5 kW	R88M-K5K030F-B			

AC Servomotor/Drive G5-series

tation spe	on speed Encoder Option		Option	
		INC	Without key	
3,000 r/min ABS/IN		ABS/INC	With key	
			1	
				Model
Sp	eci	fication	s	With absolute encoder
				Straight shaft withkey and tap
Vo	olta	ge	Rated output	Without oil seals
			50 W	R88M-K05030T-S2
		-	100 W	R88M-K10030S-S2
1	00	v —	200 W	R88M-K20030S-S2
		-	400 W	R88M-K40030S-S2
			50 W	R88M-K05030T-S2
			100 W	R88M-K10030T-S2
			200 W	R88M-K20030T-S2
			400 W	R88M-K40030T-S2
			750 W	R88M-K75030T-S2
2	200	v	1 kW	R88M-K1K030T-S2
2			1.5 kW	R88M-K1K530T-S2
3			2 kW	R88M-K2K030T-S2
			3 kW	R88M-K3K030T-S2
			4 kW	R88M-K4K030T-S2
			5 kW	R88M-K5K030T-S2
			750 W	R88M-K75030C-S2
			1 kW	R88M-K1K030C-S2
			1.5 kW	R88M-K1K530C-S2
4	00	V	2 kW	R88M-K2K030C-S2
			3 kW	R88M-K3K030C-S2
			4 kW	R88M-K4K030C-S2
			5 kW	R88M-K5K030C-S2
			50 W	R88M-K05030T-BS2
1	00	v	100 W	R88M-K10030S-BS2
	00	•	200 W	R88M-K20030S-BS2
			400 W	R88M-K40030S-BS2
			50 W	R88M-K05030T-BS2
			100 W	R88M-K10030T-BS2
			200 W	R88M-K20030T-BS2
			400 W	R88M-K40030T-BS2
			750 W	R88M-K75030T-BS2
2	200		1 kW	R88M-K1K030T-BS2
			1.5 kW	R88M-K1K530T-BS2
02 With brake			2 kW	R88M-K2K030T-BS2
			3 kW	R88M-K3K030T-BS2
			4 kW	R88M-K4K030T-BS2
	_		5 kW	R88M-K5K030T-BS2
			750 W	R88M-K75030C-BS2
			1 kW	R88M-K1K030C-BS2
			1.5 kW	R88M-K1K530C-BS2
4	00	v	2 kW	R88M-K2K030C-BS2
			3 kW	R88M-K3K030C-BS2
			4 kW	R88M-K4K030C-BS2
			5 kW	R88M-K5K030C-BS2 are also available.

 Rotation speed
 Encoder
 Option

 3,000 r/min
 INC
 Without key

 ABS/INC
 With key

			Model			
Specifications			With absolute encoder			
			Straight shaft without key			
	Voltage	Rated output	Without oil seals			
		50 W	R88M-K05030T			
	100 V	100 W	R88M-K10030S			
	100 V	200 W	R88M-K20030S			
		400 W	R88M-K40030S			
		50 W	R88M-K05030T			
		100 W	R88M-K10030T			
		200 W	R88M-K20030T			
		400 W	R88M-K40030T			
		750 W	R88M-K75030T			
ake	200 V	1 kW	R88M-K1K030T			
it br		1.5 kW	R88M-K1K530T			
Without brake		2 kW	R88M-K2K030T			
Wit		3 kW	R88M-K3K030T			
		4 kW	R88M-K4K030T			
		5 kW	R88M-K5K030T			
		750 W	R88M-K75030C			
		1 kW	R88M-K1K030C			
		1.5 kW	R88M-K1K530C			
	400 V	2 kW	R88M-K2K030C			
		3 kW	R88M-K3K030C			
		4 kW	R88M-K4K030C			
		5 kW	R88M-K5K030C			
	100 V	50 W	R88M-K05030T-B			
		100 W	R88M-K10030S-B			
		200 W	R88M-K20030S-B			
		400 W	R88M-K40030S-B			
		50 W	R88M-K05030T-B			
		100 W	R88M-K10030T-B			
		200 W	R88M-K20030T-B			
		400 W	R88M-K40030T-B			
	000 V	750 W	R88M-K75030T-B			
With brake	200 V	1 kW	R88M-K1K030T-B			
		1.5 kW	R88M-K1K530T-B			
		2 kW	R88M-K2K030T-B			
		3 kW 4 kW	R88M-K3K030T-B			
		4 KW	R88M-K4K030T-B R88M-K5K030T-B			
		5 KW 750 W	R88M-K75030C-B			
		1 kW	R88M-K1K030C-B			
		1.5 kW	R88M-K1K530C-B			
	400 V	2 kW	R88M-K2K030C-B			
	400 V	2 kW 3 kW	R88M-K3K030C-B			
		3 kW 4 kW	R88M-K4K030C-B			
		5 kW	R88M-K5K030C-B			
Notor		5 KW	Room-Nonusue-B			

2,000-r/min servomotors

Rotation speed	Encoder	Option
2.000 r/min	INC	Without key
2,000 r/min	ABS/INC	With key

			Model	
Specifications			With incremental encoder	
			Straight shaft with key and tap	
,	Voltage Rated output		Without oil seals	
		1 kW	R88M-K1K020H-S2	
		1.5 kW	R88M-K1K520H-S2	
	200 V	2 kW	R88M-K2K020H-S2	
	200 V	3 kW	R88M-K3K020H-S2	
		4 kW	R88M-K4K020H-S2	
ake		5 kW	R88M-K5K020H-S2	
Without brake		400 W	R88M-K40020F-S2	
nou		600 W	R88M-K60020F-S2	
Wit		1 kW	R88M-K1K020F-S2	
	400 V	1.5 kW	R88M-K1K520F-S2	
		2 kW	R88M-K2K020F-S2	
		3 kW	R88M-K3K020F-S2	
		4 kW	R88M-K4K020F-S2	
		5 kW	R88M-K5K020F-S2	
	200 V	1 kW	R88M-K1K020H-BS2	
		1.5 kW	R88M-K1K520H-BS2	
		2 kW	R88M-K2K020H-BS2	
		3 kW	R88M-K3K020H-BS2	
		4 kW	R88M-K4K020H-BS2	
é		5 kW	R88M-K5K020H-BS2	
With brake		400 W	R88M-K40020F-BS2	
ith		600 W	R88M-K60020F-BS2	
Wi		1 kW	R88M-K1K020F-BS2	
	400 V	1.5 kW	R88M-K1K520F-BS2	
	400 V	2 kW	R88M-K2K020F-BS2	
		3 kW	R88M-K3K020F-BS2	
		4 kW	R88M-K4K020F-BS2	
		5 kW	R88M-K5K020F-BS2	

Note: Models with oil seals are also available.

Rotation speed	Encoder	Option
0.000 r/min	INC Without I	Without key
2,000 r/min	ABS/INC	With key

With incremental encoderSpecificationsWith incremental encoderVoltageRated outputStraight shaft without key1WR88M-K1K020H1.5 kWR88M-K1K520H200 V2 kWR88M-K2K020H2 kWR88M-K3K020H4 kWR88M-K4K020H5 kWR88M-K5K020H400 VR88M-K4K020F600 WR88M-K1K020F1 kWR88M-K1K520F2 kWR88M-K1K520F2 kWR88M-K1K520F3 kWR88M-K3K020F1.5 kWR88M-K3K020F3 kWR88M-K3K020F3 kWR88M-K3K020F4 kWR88M-K1K520F2 kWR88M-K3K020F3 kWR88M-K3K020F4 kWR88M-K3K020F3 kWR88M-K3K020F3 kWR88M-K1K520F2 kWR88M-K3K020F3 kWR88M-K3K020F4 kWR88M-K3K020F-B3 kWR88M-K3K020F-B4 kWR88M-K3K020F-B4 kWR88M-K3K020F-B5 kWR88M-K3K020F-B4 kWR88M-K3K020F-B4 kWR88M-K3K020F-B1 kWR88M-K4K020F-B1 kWR88M-K4K020F-B1 kWR88M-K4K020F-B1 kWR88M-K1K520F-B1 kWR88M-K1K520F-B1 kWR88M-K1K520F-B1 kWR88M-K1K520F-B2 kWR88M-K1K520F-B2 kWR88M-K1K520F-B				Model
VoltageRated outputWithout oil seals200 V1 kWR88M-K1K020H1.5 kWR88M-K1K520H2 kWR88M-K2K020H3 kWR88M-K3K020H4 kWR88M-K4K020H5 kWR88M-K4K020H5 kWR88M-K4K020F600 WR88M-K4K020F600 WR88M-K4K020F1.5 kWR88M-K4K020F1 kWR88M-K4K020F1 kWR88M-K1K020F1 kWR88M-K1K020F3 kWR88M-K4K020F3 kWR88M-K4K020F3 kWR88M-K4K020F3 kWR88M-K4K020F3 kWR88M-K4K020F3 kWR88M-K4K020F3 kWR88M-K4K020F5 kWR88M-K1K520H-B1.5 kWR88M-K1K520H-B3 kWR88M-K1K520H-B3 kWR88M-K1K520H-B3 kWR88M-K1K520H-B3 kWR88M-K4K020H-B1.5 kWR88M-K4K020H-B3 kWR88M-K4K020H-B1 kWR88M-K4K020H-B3 kWR88M-K4K020H-B3 kWR88M-K4K020H-B1 kWR88M-K40020F-B400 WR88M-K40020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B </th <th></th> <th>Specificat</th> <th>ions</th> <th>With incremental encoder</th>		Specificat	ions	With incremental encoder
VoitageoutputWithout oil seals200 V1 kWR88M-K1K020H2 kWR88M-K1K520H2 kWR88M-K2K020H3 kWR88M-K3K020H4 kWR88M-K4K020H5 kWR88M-K4K020F600 WR88M-K4K020F600 WR88M-K4K020F1.5 kWR88M-K4002F600 WR88M-K4K020F15 kWR88M-K4K020F15 kWR88M-K1K020F1 kWR88M-K1K020F3 kWR88M-K4K020F3 kWR88M-K4K020F3 kWR88M-K4K020F3 kWR88M-K4K020F3 kWR88M-K4K020F3 kWR88M-K4K020F3 kWR88M-K4K020F5 kWR88M-K1K520H-B1.5 kWR88M-K1K520H-B3 kWR88M-K1K520H-B3 kWR88M-K4K020H-B1.5 kWR88M-K3K020H-B4 kWR88M-K4K020H-B5 kWR88M-K4K020H-B3 kWR88M-K4K020H-B1.5 kWR88M-K4K020H-B1 kWR88M-K4K020H-B1 kWR88M-K4K020H-B1 kWR88M-K4K020F-B1 kWR88M-K40020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K520F-B				Straight shaft without key
Part 1.5 kWR88M-K1K520H2 kWR88M-K2K020H2 kWR88M-K3K020H3 kWR88M-K4K020H4 kWR88M-K4K020H5 kWR88M-K4K020F600 WR88M-K4K020F600 WR88M-K4K020F1 kWR88M-K1K020F1 kWR88M-K1K020F3 kWR88M-K1K520F2 kWR88M-K3K020F4 kWR88M-K3K020F3 kWR88M-K4K020F5 kWR88M-K4K020F5 kWR88M-K1K520F200 V1 kW888M-K1K520H-B1.5 kWR88M-K1K520H-B1.5 kWR88M-K1K520H-B2 kWR88M-K1K520H-B3 kWR88M-K1K520H-B3 kWR88M-K3K020H-B4 kWR88M-K3K020H-B3 kWR88M-K40020F-B5 kWR88M-K5K020H-B4 kWR88M-K5K020H-B1 kWR88M-K5K020H-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K520F-B		Voltage		Without oil seals
Provide Provided Part of the system200 V2 kWR88M-K2K020H3 kWR88M-K3K020H4 kWR88M-K4K020H5 kWR88M-K4K020F5 kWR88M-K40020F600 WR88M-K40020F600 WR88M-K1K020F1 kWR88M-K1K020F1 kWR88M-K1K020F3 kWR88M-K2K020F3 kWR88M-K4K020F5 kWR88M-K4K020F5 kWR88M-K4K020F5 kWR88M-K4K020F3 kWR88M-K4K020F5 kWR88M-K1K520H-B1.5 kWR88M-K1K520H-B200 V1 kW888M-K1K520H-B400 VR88M-K4K020H-B5 kWR88M-K3K020H-B4 kWR88M-K4K020H-B5 kWR88M-K4K020H-B5 kWR88M-K4K020H-B1 kWR88M-K4K020H-B1 kWR88M-K4K020H-B1 kWR88M-K4K020H-B1 kWR88M-K4K020F-B1 kWR88M-K4K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K020F-B1 kWR88M-K1K520F-B			1 kW	R88M-K1K020H
Provide Normalized for the second secon			1.5 kW	R88M-K1K520H
Provide 3 kW R88M-K3K020H 4 kW R88M-K4K020H 5 kW R88M-K4K020H 5 kW R88M-K4K020F 400 W R88M-K40020F 600 W R88M-K1K020F 1 kW R88M-K1K020F 1 kW R88M-K1K020F 2 kW R88M-K1K020F 3 kW R88M-K2K020F 3 kW R88M-K3K020F 4 kW R88M-K4K020F 5 kW R88M-K1K020F 5 kW R88M-K1K020F 3 kW R88M-K1K020F 3 kW R88M-K1K020F 5 kW R88M-K1K020F-B 2 kW R88M-K1K020H-B 3 kW R88M-K3K020H-B 3 kW R88M-K3K020H-B 4 kW R88M-K4K020F-B 5 kW R88M-K4K020F-B 5 kW R88M-K4K0020F-B 600 W R88M-K1K020F-B 1 kW R88M-K1K020F-B 600 W R88M-K1K020F-B 1 kW R88M-K1K020F-B 1 kW R88M-K1K020F-B		200 V	2 kW	R88M-K2K020H
Provide S kW R88M-K5K020H 400 V R88M-K5K020F 600 W R88M-K40020F 600 W R88M-K40020F 1 kW R88M-K40020F 1 kW R88M-K1K020F 1 kW R88M-K1K520F 2 kW R88M-K1K520F 3 kW R88M-K4K020F 3 kW R88M-K4K020F 5 kW R88M-K4K020F 5 kW R88M-K4K020F 1 kW R88M-K4K020F 2 kW R88M-K1K5020F 1 kW R88M-K1K5020F 3 kW R88M-K1K020F-B 2 kW R88M-K1K020H-B 2 kW R88M-K4K020H-B 3 kW R88M-K4K020H-B 3 kW R88M-K4K020H-B 4 kW R88M-K4K020H-B 5 kW R88M-K40020F-B 600 W R88M-K40020F-B 1 kW R88M-K1K020F-B		200 V	3 kW	R88M-K3K020H
400 V 1.5 kW R88M-K1K520F 2 kW R88M-K2K020F 3 kW R88M-K3K020F 4 kW R88M-K4K020F 5 kW R88M-K4K020F 5 kW R88M-K4K020F 1 kW R88M-K4K020F 200 V 1 kW 200 V 2 kW 888M-K1K520H-B 2 kW 200 V 3 kW 888M-K1K520H-B 2 kW 2 kW R88M-K1K520H-B 3 kW R88M-K2K020H-B 3 kW R88M-K4K020H-B 5 kW R88M-K4K020H-B 5 kW R88M-K4K020H-B 5 kW R88M-K4K020H-B 5 kW R88M-K4K020F-B 400 W R88M-K40020F-B 600 W R88M-K1K020F-B 1 kW R88M-K1K020F-B 1 kW R88M-K1K020F-B 1 kW R88M-K1K520F-B			4 kW	R88M-K4K020H
400 V 1.5 kW R88M-K1K520F 2 kW R88M-K2K020F 3 kW R88M-K3K020F 4 kW R88M-K4K020F 5 kW R88M-K4K020F 5 kW R88M-K4K020F 1 kW R88M-K4K020F 200 V 1 kW 200 V 2 kW 888M-K1K520H-B 2 kW 200 V 3 kW 888M-K1K520H-B 2 kW 2 kW R88M-K1K520H-B 3 kW R88M-K2K020H-B 3 kW R88M-K4K020H-B 5 kW R88M-K4K020H-B 5 kW R88M-K4K020H-B 5 kW R88M-K4K020H-B 5 kW R88M-K4K020F-B 400 W R88M-K40020F-B 600 W R88M-K1K020F-B 1 kW R88M-K1K020F-B 1 kW R88M-K1K020F-B 1 kW R88M-K1K520F-B	ake		5 kW	R88M-K5K020H
400 V 1.5 kW R88M-K1K520F 2 kW R88M-K2K020F 3 kW R88M-K3K020F 4 kW R88M-K4K020F 5 kW R88M-K4K020F 5 kW R88M-K4K020F 1 kW R88M-K4K020F 200 V 1 kW 200 V 2 kW 888M-K1K520H-B 2 kW 200 V 3 kW 888M-K1K520H-B 2 kW 2 kW R88M-K1K520H-B 3 kW R88M-K2K020H-B 3 kW R88M-K4K020H-B 5 kW R88M-K4K020H-B 5 kW R88M-K4K020H-B 5 kW R88M-K4K020H-B 5 kW R88M-K4K020F-B 400 W R88M-K40020F-B 600 W R88M-K1K020F-B 1 kW R88M-K1K020F-B 1 kW R88M-K1K020F-B 1 kW R88M-K1K520F-B	tbr		400 W	R88M-K40020F
400 V 1.5 kW R88M-K1K520F 2 kW R88M-K2K020F 3 kW R88M-K3K020F 4 kW R88M-K4K020F 5 kW R88M-K4K020F 5 kW R88M-K4K020F 1 kW R88M-K4K020F 200 V 1 kW 200 V 2 kW 888M-K1K520H-B 2 kW 200 V 3 kW 888M-K1K520H-B 2 kW 2 kW R88M-K1K520H-B 3 kW R88M-K2K020H-B 3 kW R88M-K4K020H-B 5 kW R88M-K4K020H-B 5 kW R88M-K4K020H-B 5 kW R88M-K4K020H-B 5 kW R88M-K4K020F-B 400 W R88M-K40020F-B 600 W R88M-K1K020F-B 1 kW R88M-K1K020F-B 1 kW R88M-K1K020F-B 1 kW R88M-K1K520F-B	nor		600 W	R88M-K60020F
400 V 1.5 kW R88M-K1K520F 2 kW R88M-K2K020F 3 kW R88M-K3K020F 4 kW R88M-K4K020F 5 kW R88M-K4K020F 5 kW R88M-K4K020F 1 kW R88M-K4K020F 200 V 1 kW 200 V 2 kW 888M-K1K520H-B 2 kW 200 V 3 kW 888M-K1K520H-B 2 kW 2 kW R88M-K1K520H-B 3 kW R88M-K2K020H-B 3 kW R88M-K4K020H-B 5 kW R88M-K4K020H-B 5 kW R88M-K4K020H-B 5 kW R88M-K4K020H-B 5 kW R88M-K4K020F-B 400 W R88M-K40020F-B 600 W R88M-K1K020F-B 1 kW R88M-K1K020F-B 1 kW R88M-K1K020F-B 1 kW R88M-K1K520F-B	Vit		1 kW	R88M-K1K020F
2 kW R88M-K2K020F 3 kW R88M-K3K020F 4 kW R88M-K4K020F 5 kW R88M-K4K020F 5 kW R88M-K4K020F 1 kW R88M-K1K020H-B 200 V 1 kW 200 V 2 kW 888M-K1K520H-B 2 kW 2 kW R88M-K1K520H-B 3 kW R88M-K2K020H-B 3 kW R88M-K3K020H-B 4 kW R88M-K4K020H-B 5 kW R88M-K4K020H-B 600 W R88M-K4K020F-B 600 W R88M-K4K0020F-B 1 kW R88M-K1K020F-B 1 kW R88M-K1K020F-B 1 kW R88M-K1K020F-B 1 kW R88M-K1K020F-B	-	400 V	1.5 kW	R88M-K1K520F
Image: Second system Image: Se			2 kW	R88M-K2K020F
Skill R88M-K5K020F 1 kW R88M-K5K020F 1 kW R88M-K1K020H-B 200 V 1 kW 2 kW R88M-K1K520H-B 2 kW R88M-K2K020H-B 3 kW R88M-K3K020H-B 4 kW R88M-K4K020H-B 5 kW R88M-K4K020H-B 600 W R88M-K40020F-B 600 W R88M-K40020F-B 1 kW R88M-K40020F-B 1 kW R88M-K1K020F-B 1 kW R88M-K1K020F-B 1 kW R88M-K1K020F-B			3 kW	R88M-K3K020F
Provide 1 kW R88M-K1K020H-B 1.5 kW R88M-K1K520H-B 2 kW R88M-K2K020H-B 3 kW R88M-K3K020H-B 4 kW R88M-K4K020H-B 5 kW R88M-K4K020H-B 600 W R88M-K4K020F-B 600 W R88M-K40020F-B 1 kW R88M-K4K020F-B 1 kW R88M-K1K020F-B 1 kW R88M-K1K020F-B 1 kW R88M-K1K020F-B			4 kW	R88M-K4K020F
Provide 1.5 kW R88M-K1K520H-B 2 kW R88M-K2K020H-B 3 kW R88M-K3K020H-B 4 kW R88M-K4K020H-B 5 kW R88M-K4K020H-B 5 kW R88M-K4K020H-B 600 W R88M-K4K020F-B 1 kW R88M-K4K020F-B 1 kW R88M-K4K020F-B 1 kW R88M-K1K020F-B 1 kW R88M-K1K020F-B 1.5 kW R88M-K1K520F-B			5 kW	R88M-K5K020F
200 V 2 kW R88M-K2K020H-B 3 kW R88M-K3K020H-B 4 kW R88M-K4K020H-B 5 kW R88M-K4K020H-B 5 kW R88M-K5K020H-B 600 W R88M-K40020F-B 600 W R88M-K60020F-B 1 kW R88M-K1K020F-B 1 kW R88M-K1K020F-B		200 V	1 kW	R88M-K1K020H-B
200 V 3 kW R88M-K3K020H-B 4 kW R88M-K4K020H-B 5 kW R88M-K5K020H-B 600 W R88M-K40020F-B 600 W R88M-K40020F-B 1 kW R88M-K1K020F-B 1 kW R88M-K1K020F-B 1.5 kW R88M-K1K520F-B			1.5 kW	R88M-K1K520H-B
3 kW R88M-K3K020H-B 4 kW R88M-K4K020H-B 5 kW R88M-K4K020H-B 600 W R88M-K40020F-B 1 kW R88M-K1K020F-B 1 kW R88M-K1K020F-B 1.5 kW R88M-K1K520F-B			2 kW	R88M-K2K020H-B
Solution Solution			3 kW	R88M-K3K020H-B
400 W R88M-K40020F-B 600 W R88M-K60020F-B 1 kW R88M-K1K020F-B 1.5 kW R88M-K1K520F-B			4 kW	R88M-K4K020H-B
400 V 1.5 kW R88M-K1K520F-B	ê		5 kW	R88M-K5K020H-B
400 V 1.5 kW R88M-K1K520F-B	bral		400 W	R88M-K40020F-B
400 V 1.5 kW R88M-K1K520F-B	ith		600 W	R88M-K60020F-B
400 V	≥		1 kW	R88M-K1K020F-B
		400 V	1.5 kW	R88M-K1K520F-B
		400 V	2 kW	R88M-K2K020F-B
3 kW R88M-K3K020F-B			3 kW	R88M-K3K020F-B
4 kW R88M-K4K020F-B			4 kW	R88M-K4K020F-B
5 kW R88M-K5K020F-B			5 kW	R88M-K5K020F-B

AC Servomotor/Drive G5-series

Rotation speed Encoder Option		Option			
2,000 r/min		Without key			
2,000	1/11111	ABS/INC	With key		
				Model	
	Snoo	ificatior		With absolute encoder	
	Spec	incation	15		
Г			Poted	Straight shaft with key and tap	
	Voltage Rated outpu		output	Without oil seals	
			1 kW	R88M-K1K020T-S2	
			1.5 kW	R88M-K1K520T-S2	
			2 kW	R88M-K2K020T-S2	
			3 kW	R88M-K3K020T-S2	
	200	V	4 kW	R88M-K4K020T-S2	
			5 kW	R88M-K5K020T-S2	
			7.5 kW	R88M-K7K515T-S2 *	
			11 kW	R88M-K11K015T-S2 *	
ake			15 kW	R88M-K15K015T-S2 *	
It br			400 W	R88M-K40020C-S2	
Without brake			600 W	R88M-K60020C-S2	
<u> K</u>			1 kW	R88M-K1K020C-S2	
			1.5 kW	R88M-K1K520C-S2	
	400	7	2 kW	R88M-K2K020C-S2	
			3 kW	R88M-K3K020C-S2	
			4 kW	R88M-K4K020C-S2	
			5 kW	R88M-K5K020C-S2	
			7.5 kW	R88M-K7K515C -S2 *	
			11 kW	R88M-K11K015C-S2 *	
			15 kW	R88M-K15K015C-S2 *	
			1 kW	R88M-K1K020T-BS2	
			1.5 kW	R88M-K1K520T-BS2	
			2 kW	R88M-K2K020T-BS2	
			3 kW	R88M-K3K020T-BS2	
	200	V	4 kW	R88M-K4K020T-BS2	
			5 kW	R88M-K5K020T-BS2	
		_	7.5 kW	R88M-K7K515T-BS2 *	
		_	11 kW	R88M-K11K015T-BS2 *	
brake			15 kW	R88M-K15K015T-BS2 *	
~		-	400 W 600 W	R88M-K40020C-BS2	
With		-		R88M-K60020C-BS2	
		-	1 kW 1.5 kW	R88M-K1K020C-BS2 R88M-K1K520C-BS2	
		-	1.5 KW 2 kW	R88M-K1K520C-BS2	
	400	v	2 kW	R88M-K2K020C-BS2	
	400		4 kW	R88M-K4K020C-BS2	
			5 kW	R88M-K5K020C-BS2	
		-	7.5 kW	R88M-K7K515C-BS2 *	
		-	11 kW	R88M-K11K015C-BS2 *	
			15 kW	R88M-K15K015C-BS2 *	
lote:	Mode	ls with		are also available.	

 Rotation speed
 Encoder
 Option

 2,000 r/min
 INC
 Without key

 ABS/INC
 With key

Specifications			Model	
			With absolute encoder	
			Straight shaft without key	
	Voltage Rated output		Without oil seals	
		1 kW	R88M-K1K020T	
		1.5 kW	R88M-K1K520T	
		2 kW	R88M-K2K020T	
		3 kW	R88M-K3K020T	
	200 V	4 kW	R88M-K4K020T	
		5 kW	R88M-K5K020T	
		7.5 kW	R88M-K7K515T *	
		11 kW	R88M-K11K015T *	
Without brake		15 kW	R88M-K15K015T *	
tbr		400 W	R88M-K40020C	
nou		600 W	R88M-K60020C	
Witl		1 kW	R88M-K1K020C	
-		1.5 kW	R88M-K1K520C	
		2 kW	R88M-K2K020C	
	400 V	3 kW	R88M-K3K020C	
		4 kW	R88M-K4K020C	
		5 kW	R88M-K5K020C	
		7.5 kW	R88M-K7K515C *	
		11 kW	R88M-K11K015C *	
		15 kW	R88M-K15K015C *	
		1 kW	R88M-K1K020T-B	
		1.5 kW	R88M-K1K520T-B	
		2 kW	R88M-K2K020T-B	
	200 V	3 kW	R88M-K3K020T-B	
		4 kW	R88M-K4K020T-B	
		5 kW	R88M-K5K020T-B	
		7.5 kW	R88M-K7K515T-B *	
		11 kW	R88M-K11K015T-B *	
ê		15 kW	R88M-K15K015T-B *	
With brake		400 W	R88M-K40020C-B	
ith		600 W	R88M-K60020C-B	
3		1 kW	R88M-K1K020C-B	
		1.5 kW	R88M-K1K520C-B	
		2 kW	R88M-K2K020C-B	
	400 V	3 kW	R88M-K3K020C-B	
		4 kW	R88M-K4K020C-B	
		5 kW	R88M-K5K020C-B	
		7.5 kW	R88M-K7K515C-B *	
		11 kW	R88M-K11K015C-B *	
		15 kW	R88M-K15K015C-B *	

Note: Models with oil seals are also available. * The rated speed is 1,500 r/min.

Note: Models with oil seals are also available. ***** The rated speed is 1,500 r/min.

1,000-r/min servomotors

Rotation speed		Encoder	Option	
1,000 r/min		INC	Without key	
		ABS/INC	With key	
				Model
	Spec	ification	s	With incremental encoder
				Straight shaft with key and tap
Voltage		Rated output	Without oil seals	
		9	900 W	R88M-K90010H-S2
ake	200 V	v	2 kW	R88M-K2K010H-S2
bra			3 kW	R88M-K3K010H-S2
Without brake		9	900 W	R88M-K90010F-S2
Vith	400	v	2 kW	R88M-K2K010F-S2
-			3 kW	R88M-K3K010F-S2
		9	900 W	R88M-K90010H-BS2
With brake	200	v	2 kW	R88M-K2K010H-BS2
			3 kW	R88M-K3K010H-BS2
		9	900 W	R88M-K90010F-BS2
	400	v	2 kW	R88M-K2K010F-BS2
			3 kW	R88M-K3K010F-BS2

Note: Models with oil seals are also available.

Rotation speed	Encoder	Option
1 000 r/min	INC	Without key
1,000 r/min	ABS/INC	With key

			Model	
	Specificat	ions	With incremental encoder	
			Straight shaft without key	
	Voltage Rated output		Without oil seals	
		900 W	R88M-K90010H	
ake	200 V	2 kW	R88M-K2K010H	
tþr		3 kW	R88M-K3K010H	
not	400 V	900 W	R88M-K90010F	
Without brake		2 kW	R88M-K2K010F	
-		3 kW	R88M-K3K010F	
		900 W	R88M-K90010H-B	
e	200 V	2 kW	R88M-K2K010H-B	
oral		3 kW	R88M-K3K010H-B	
With brake		900 W	R88M-K90010F-B	
Š	400 V	2 kW	R88M-K2K010F-B	
		3 kW	R88M-K3K010F-B	
Noto	Modele wi	th oil coale	are also available	

Note: Models with oil seals are also available.

Rotation speed	Encoder	Option
1,000 r/min	INC	Without key
1,000 r/min	ABS/INC	With key

			Model	
	Specificat	ions	With absolute encoder	
			Straight shaft without key	
	Voltage Rated output		Without oil seals	
		900 W	R88M-K90010T	
		2 kW	R88M-K2K010T	
	200 V	3 kW	R88M-K3K010T	
ake		4.5 kW	R88M-K4K510T	
tbr		6 kW	R88M-K6K010T	
Without brake		900 W	R88M-K90010C	
Vitl	400 V	2 kW	R88M-K2K010C	
		3 kW	R88M-K3K010C	
		4.5 kW	R88M-K4K510C	
		6 kW	R88M-K6K010C	
	200 V	900 W	R88M-K90010T-B	
		2 kW	R88M-K2K010T-B	
		3 kW	R88M-K3K010T-B	
ê		4.5 kW	R88M-K4K510T-B	
With brake		6 kW	R88M-K6K010T-B	
iff		900 W	R88M-K90010C-B	
N		2 kW	R88M-K2K010C-B	
	400 V	3 kW	R88M-K3K010C-B	
		4.5 kW	R88M-K4K510C-B	
		6 kW	R88M-K6K010C-B	
Note:	ote: Models with oil seals are also available.			

Note: Models with oil seals are also available

Rotation speed	Encoder	Option
1.000 #/##	INC	Without key
1,000 r/min	ABS/INC	With key

			Model
	Specificat	ions	With absolute encoder
			Straight shaft with key and tap
	Voltage Rated output		Without oil seals
		900 W	R88M-K90010T-S2
		2 kW	R88M-K2K010T-S2
	200 V	3 kW	R88M-K3K010T-S2
ake		4.5 kW	R88M-K4K510T-S2
Without brake		6 kW	R88M-K6K010T-S2
nou	400 V	900 W	R88M-K90010C-S2
Witl		2 kW	R88M-K2K010C-S2
		3 kW	R88M-K3K010C-S2
		4.5 kW	R88M-K4K510C-S2
		6 kW	R88M-K6K010C-S2
	200 V	900 W	R88M-K90010T-BS2
		2 kW	R88M-K2K010T-BS2
		3 kW	R88M-K3K010T-BS2
e		4.5 kW	R88M-K4K510T-BS2
With brake		6 kW	R88M-K6K010T-BS2
ith		900 W	R88M-K90010C-BS2
≥		2 kW	R88M-K2K010C-BS2
	400 V	3 kW	R88M-K3K010C-BS2
		4.5 kW	R88M-K4K510C-BS2
		6 kW	R88M-K6K010C-BS2
Nata		6 kW	

Linear Motors

<Iron-core motor type> Motor Coil Unit

Motor Coil Unit model	Continuous force [N]	Momentary maximum force [N]
R88L-EC-FW-0303-ANPC	48	105
R88L-EC-FW-0306-ANPC	96	210
R88L-EC-FW-0606-ANPC	160	400
R88L-EC-FW-0609-ANPC	240	600
R88L-EC-FW-0612-ANPC	320	800
R88L-EC-FW-1112-ANPC	608	1600
R88L-EC-FW-1115-ANPC	760	2000

Magnet Trac

Magnet Trac model	Magnet Trac Unit Length (mm)
R88L-EC-FM-03096-A	96
R88L-EC-FM-03144-A	144
R88L-EC-FM-03384-A	384
R88L-EC-FM-06192-A	192
R88L-EC-FM-06288-A	288
R88L-EC-FM-11192-A	192
R88L-EC-FM-11288-A	288

<Ironless motor type> Motor Coil Unit

Motor Coil Unit model	Continuous force [N]	Momentary maximum force [N]
R88L-EC-GW-0303-ANPS	26.5	96
R88L-EC-GW-0306-ANPS	53	200
R88L-EC-GW-0309-ANPS	80	300
R88L-EC-GW-0503-ANPS	58	240
R88L-EC-GW-0506-ANPS	117	480
R88L-EC-GW-0509-ANPS	175	720
R88L-EC-GW-0703-ANPS	117	552
R88L-EC-GW-0706-ANPS	232	1110
R88L-EC-GW-0709-ANPS	348	1730

Magnet Trac

Magnet Trac model	Magnet Trac Unit Length (mm)
R88L-EC-GM-03090-A	90
R88L-EC-GM-03120-A	120
R88L-EC-GM-03390-A	390
R88L-EC-GM-05126-A	126
R88L-EC-GM-05168-A	168
R88L-EC-GM-05210-A	210
R88L-EC-GM-05546-A	546
R88L-EC-GM-07114-A	114
R88L-EC-GM-07171-A	171
R88L-EC-GM-07456-A	456

Combination table

Motor Coil Unit and Magnet Trac Combinations

Iron-core motor type

Motor Coil Unit model	Magnet Trac model
R88L-EC-FW-0303-ANPC R88L-EC-FW-0306-ANPC	R88L-EC-FM-03096-A R88L-EC-FM-03144-A R88L-EC-FM-03384-A
R88L-EC-FW-0606-ANPC R88L-EC-FW-0609-ANPC R88L-EC-FW-0612-ANPC	R88L-EC-FM-06192-A R88L-EC-FM-06288-A
R88L-EC-FW-1112-ANPC R88L-EC-FW-1115-ANPC	R88L-EC-FM-11192-A R88L-EC-FM-11288-A

Ironless motor type

Motor Coil Unit model	Magnet Trac model
R88L-EC-GW-0303-ANPS R88L-EC-GW-0306-ANPS R88L-EC-GW-0309-ANPS	R88L-EC-GM-03090-A R88L-EC-GM-03120-A R88L-EC-GM-03390-A
R88L-EC-GW-0503-ANPS R88L-EC-GW-0506-ANPS R88L-EC-GW-0509-ANPS	R88L-EC-GM-05126-A R88L-EC-GM-05168-A R88L-EC-GM-05210-A R88L-EC-GM-05546-A
R88L-EC-GW-0703-ANPS R88L-EC-GW-0706-ANPS R88L-EC-GW-0709-ANPS	R88L-EC-GM-07114-A R88L-EC-GM-07171-A R88L-EC-GM-07456-A

Decelerators (Backlash = 3' Max./Backlash = 15' Max.)

Backlash = 3' Max <Cylinder Type> • 3,000-r/min servomotors Straight shaft without key

Motor capacity	Gear Ratio	Model (Straight shaft)	
	1/5	R88G-HPG11B05100B	
50 W	1/9	R88G-HPG11B09050B	
	1/21	R88G-HPG14A21100B	
	1/33	R88G-HPG14A33050B	
	1/45	R88G-HPG14A45050B	
	1/5	R88G-HPG11B05100B	
	1/11	R88G-HPG14A11100B	
100 W	1/21	R88G-HPG14A21100B	
	1/33	R88G-HPG20A33100B	
	1/45	R88G-HPG20A45100B	
	1/5	R88G-HPG14A05200B	
	1/11	R88G-HPG14A11200B	
200 W	1/21	R88G-HPG20A21200B	
	1/33	R88G-HPG20A33200B	
	1/45	R88G-HPG20A45200B	
	1/5	R88G-HPG14A05400B	
	1/11	R88G-HPG20A11400B	
400 W	1/21	R88G-HPG20A21400B	
	1/33	R88G-HPG32A33400B	
	1/45	R88G-HPG32A45400B	
	1/5	R88G-HPG20A05750B	
	1/11	R88G-HPG20A11750B	
750 W	1/21	R88G-HPG32A21750B	
(200 V)	1/33	R88G-HPG32A33750B	
	1/33	R88G-HPG32A45750B	
	1/45	R88G-HPG32A052K0B	
	1/11	R88G-HPG32A052K0B	
750W	1/21	R88G-HPG32A211K5B	
(400 V)			
	1/33	R88G-HPG32A33600SB	
	1/45 1/5	R88G-HPG50A451K5B	
		R88G-HPG32A052K0B	
41.147	1/11	R88G-HPG32A112K0B	
1kW	1/21	R88G-HPG32A211K5B	
	1/33	R88G-HPG50A332K0B	
	1/45	R88G-HPG50A451K5B	
	1/5	R88G-HPG32A052K0B	
	1/11	R88G-HPG32A112K0B	
1.5kW	1/21	R88G-HPG32A211K5B	
	1/33	R88G-HPG50A332K0B	
	1/45	R88G-HPG50A451K5B	
	1/5	R88G-HPG32A052K0B	
2kW	1/11	R88G-HPG32A112K0B	
	1/21	R88G-HPG50A212K0B	
	1/33	R88G-HPG50A332K0B	
	1/5	R88G-HPG32A053K0B	
3kW	1/11	R88G-HPG50A113K0B	
	1/21	R88G-HPG50A213K0B	
412147	1/5	R88G-HPG32A054K0B	
4kW	1/11	R88G-HPG50A115K0B	
FLAM	1/5	R88G-HPG50A055K0B	
5kW	1/11	R88G-HPG50A115K0B	

Note: 1. The standard models have a straight shaft.

 To order a Servomotor with a straight shaft with key, add "J" to the end of the model number, in the place indicated by the box.

● 2,000-r/min servomotors

Motor capacity Gear Ratio Model (Straight shaft) 400 W 1/5 R88G-HPG32A052K0B 400 W 1/21 R88G-HPG32A112K0B 1/11 R88G-HPG32A112K0B 1/33 R88G-HPG32A112K0B 1/45 R88G-HPG32A3600SB 1/45 R88G-HPG32A052K0B 1/45 R88G-HPG32A052K0B 1/11 R88G-HPG32A052K0B 1/11 R88G-HPG32A112K0B 600 W 1/21 R88G-HPG32A112K0B 1/11 R88G-HPG32A112K0B 1/11 R88G-HPG32A053K0B 1/45 R88G-HPG32A053K0B 1/45 R88G-HPG32A112K0SB 1/45 R88G-HPG32A112K0SB 1/11 R88G-HPG32A053K0B 1/11 R88G-HPG32A053K0B 1/12 R88G-HPG32A053K0B 1/13 R88G-HPG32A053K0B 1/145 R88G-HPG32A053K0B 1/11 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21	Straight	shaft wi	ithout key
400 W 1/11 R88G-HPG32A112K0B 1/21 R88G-HPG32A211K5B 1/33 R88G-HPG32A33600SB 1/45 R88G-HPG32A45400SB 1/45 R88G-HPG32A052K0B 1/11 R88G-HPG32A112K0B 600 W 1/21 R88G-HPG32A112K0B 1/11 R88G-HPG32A112K0B 1/12 R88G-HPG32A112K0B 1/11 R88G-HPG32A33600SB 1/12 R88G-HPG32A112K0B 1/13 R88G-HPG32A33600SB 1/14 R88G-HPG32A33600SB 1/15 R88G-HPG32A33600SB 1/14 R88G-HPG32A112K0SB 1/11 R88G-HPG32A112K0SB 1/11 R88G-HPG32A112K0SB 1/121 R88G-HPG32A053K0B 1/13 R88G-HPG32A112K0SB 1/11 R88G-HPG32A053K0B 1/121 R88G-HPG32A112K0SB 1/11 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A055K0SB			Model (Straight shaft)
400 W 1/21 R88G-HPG32A211K5B 1/33 R88G-HPG32A33600SB 1/45 R88G-HPG32A45400SB 1/45 R88G-HPG32A45400SB 600 W 1/1 R88G-HPG32A112K0B 1/11 R88G-HPG32A211K5B 1/21 R88G-HPG32A211K5B 1/33 R88G-HPG32A33600SB 1/45 R88G-HPG32A33600SB 1/45 R88G-HPG32A33600SB 1/45 R88G-HPG32A33600SB 1/45 R88G-HPG32A33600SB 1/45 R88G-HPG32A33600SB 1/11 R88G-HPG32A332K0SB 1/11 R88G-HPG32A112K0SB 1/45 R88G-HPG32A112K0SB 1/45 R88G-HPG32A112K0SB 1/11 R88G-HPG32A112K0SB 1/21 R88G-HPG50A115K0B		1/5	R88G-HPG32A052K0B
1/33 R88G-HPG32A33600SB 1/45 R88G-HPG32A45400SB 1/45 R88G-HPG32A052K0B 1/5 R88G-HPG32A112K0B 600 W 1/21 R88G-HPG32A211K5B 1/33 R88G-HPG32A33600SB 1/45 R88G-HPG32A33600SB 1/45 R88G-HPG32A33600SB 1/45 R88G-HPG32A33600SB 1/45 R88G-HPG32A053K0B 1/45 R88G-HPG32A112K0SB 1/11 R88G-HPG32A112K0SB 1/11 R88G-HPG32A053K0B 1/11 R88G-HPG32A053K0B 1/121 R88G-HPG32A112K0SB 1/45 R88G-HPG32A053K0B 1/45 R88G-HPG32A112K0SB 1/11 R88G-HPG32A053K0B 1/21 R88G-HPG32A112K0SB 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A112K0SB 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG50A115K0B 1/21 R88G-HPG50A213K0SB 1/21		1/11	R88G-HPG32A112K0B
1/45 R88G-HPG32A45400SB 1/45 R88G-HPG32A052K0B 1/11 R88G-HPG32A052K0B 1/11 R88G-HPG32A052K0B 1/11 R88G-HPG32A112K0B 600 W 1/21 R88G-HPG32A33600SB 1/33 R88G-HPG32A33600SB 1/45 R88G-HPG32A053K0B 1/45 R88G-HPG32A053K0B 1/45 R88G-HPG32A053K0B 1/11 R88G-HPG32A053K0B 1/11 R88G-HPG32A053K0B 1/12 R88G-HPG50A32K0SB 1/45 R88G-HPG50A332K0SB 1/45 R88G-HPG32A053K0B 1/11 R88G-HPG32A053K0B 1/11 R88G-HPG32A053K0B 1/11 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A054K0B 1/21 R88G-HPG50A115K0B 1/21 R88G-HPG50A213K0SB 1/25 <	400 W	1/21	R88G-HPG32A211K5B
1/5 R88G-HPG32A052K0B 1/11 R88G-HPG32A112K0B 600 W 1/21 R88G-HPG32A112K0B 1/33 R88G-HPG32A33600SB 1/45 R88G-HPG32A33600SB 1/45 R88G-HPG32A33600SB 1/45 R88G-HPG32A33600SB 1/45 R88G-HPG32A053K0B 1/45 R88G-HPG32A112K0SB 1/11 R88G-HPG32A112K0SB 1/21 R88G-HPG32A053K0B 1/33 R88G-HPG50A332K0SB 1/45 R88G-HPG32A053K0B 1/45 R88G-HPG32A053K0B 1/45 R88G-HPG32A053K0B 1/11 R88G-HPG32A053K0B 1/121 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A054K0B 1/21 R88G-HPG50A115K0B 1/21 R88G-HPG50A115K0B 1/25 R88G-HPG50A115K0SB 1/20		1/33	R88G-HPG32A33600SB
1/11 R88G-HPG32A112K0B 600 W 1/21 R88G-HPG32A211K5B 1/33 R88G-HPG32A33600SB 1/45 R88G-HPG32A33600SB 1/45 R88G-HPG32A053K0B 1/45 R88G-HPG32A053K0B 1/45 R88G-HPG32A053K0B 1/11 R88G-HPG32A112K0SB 1/21 R88G-HPG32A211K0SB 1/33 R88G-HPG32A211K0SB 1/45 R88G-HPG32A211K0SB 1/45 R88G-HPG32A211K0SB 1/45 R88G-HPG32A211K0SB 1/45 R88G-HPG32A053K0B 1/11 R88G-HPG32A053K0B 1/12 R88G-HPG32A112K0SB 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A054K0B 1/21 R88G-HPG50A115K0B 1/21 R88G-HPG50A115K0B 1/21 R88G-HPG50A115K0SB 1/25 R88G-HPG50A055K0SB 1/20		1/45	R88G-HPG32A45400SB
600 W 1/21 R88G-HPG32A211K5B 1/33 R88G-HPG32A33600SB 1/45 R88G-HPG32A33600SB 1/45 R88G-HPG50A451K5B 1/45 R88G-HPG32A053K0B 1/11 R88G-HPG32A053K0B 1/11 R88G-HPG32A211K0SB 1/11 R88G-HPG32A211K0SB 1/21 R88G-HPG32A211K0SB 1/33 R88G-HPG32A211K0SB 1/45 R88G-HPG32A211K0SB 1/45 R88G-HPG32A211K0SB 1/45 R88G-HPG32A053K0B 1/45 R88G-HPG32A053K0B 1/11 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A054K0B 1/21 R88G-HPG50A115K0B 1/21 R88G-HPG50A115K0B 1/21 R88G-HPG50A115K0SB 1/21 R88G-HPG50A115K0SB 1/20 R88G-HPG50A055K0SB 1/21		1/5	R88G-HPG32A052K0B
1/33 R88G-HPG32A33600SB 1/45 R88G-HPG50A451K5B 1/45 R88G-HPG50A451K5B 1/45 R88G-HPG32A053K0B 1/11 R88G-HPG32A053K0B 1/11 R88G-HPG32A112K0SB 1/21 R88G-HPG32A211K0SB 1/33 R88G-HPG32A211K0SB 1/45 R88G-HPG50A332K0SB 1/45 R88G-HPG50A332K0SB 1/45 R88G-HPG50A451K0SB 1/45 R88G-HPG50A332K0SB 1/5 R88G-HPG50A213K0B 1/21 R88G-HPG50A332K0SB 1/21 R88G-HPG50A332K0SB 1/21 R88G-HPG50A213K0B 1/33 R88G-HPG50A213K0B 1/11 R88G-HPG50A213K0B 1/21 R88G-HPG50A213K0B 1/21 R88G-HPG50A115K0B 1/21 R88G-HPG50A115K0B 1/21 R88G-HPG50A115K0B 1/21 R88G-HPG50A115K0SB 1/21 R88G-HPG50A115K0SB 1/21 R88G-HPG50A115K0SB 1/22 R88G-HPG50A115K0SB 1/25 R88G-HPG50A0		1/11	R88G-HPG32A112K0B
1/45 R88G-HPG50A451K5B 1/45 R88G-HPG32A053K0B 1/11 R88G-HPG32A053K0B 1/11 R88G-HPG32A112K0SB 1/21 R88G-HPG32A2112K0SB 1/33 R88G-HPG32A211K0SB 1/34 R88G-HPG32A211K0SB 1/45 R88G-HPG50A332K0SB 1/45 R88G-HPG50A451K0SB 1/45 R88G-HPG50A451K0SB 1/45 R88G-HPG50A451K0SB 1/45 R88G-HPG50A213K0B 1/21 R88G-HPG50A332K0SB 1/21 R88G-HPG50A332K0SB 1/21 R88G-HPG50A213K0B 1/11 R88G-HPG50A213K0B 1/21 R88G-HPG50A213K0B 1/21 R88G-HPG50A213K0B 1/21 R88G-HPG50A213K0B 1/21 R88G-HPG50A115K0B 1/21 R88G-HPG50A115K0B 1/21 R88G-HPG50A213K0SB 1/21 R88G-HPG50A115K0SB 1/21 R88G-HPG50A213K0SB 1/21 R88G-HPG50A213K0SB 1/25 R88G-HPG50A213K0SB 1/20 R88G-HPG5	600 W	1/21	R88G-HPG32A211K5B
1/5 R88G-HPG32A053K0B 1/11 R88G-HPG32A112K0SB 1/11 R88G-HPG32A112K0SB 1/21 R88G-HPG32A112K0SB 1/33 R88G-HPG32A211K0SB 1/33 R88G-HPG32A211K0SB 1/45 R88G-HPG32A053K0B 1/45 R88G-HPG32A053K0B 1/45 R88G-HPG32A053K0B 1/45 R88G-HPG32A053K0B 1/11 R88G-HPG50A213K0B 1/21 R88G-HPG50A32K0SB 1/21 R88G-HPG50A332K0SB 1/33 R88G-HPG32A053K0B 1/11 R88G-HPG50A213K0B 1/21 R88G-HPG50A213K0B 1/21 R88G-HPG50A213K0B 1/21 R88G-HPG50A213K0B 1/21 R88G-HPG50A213K0B 1/21 R88G-HPG50A213K0SB 1/21 R88G-HPG50A213K0SB 1/21 R88G-HPG50A213K0SB 1/21 R88G-HPG50A213K0SB 1/21 R88G-HPG50A213K0SB 1/21 R88G-HPG50A213K0SB 1/25 R88G-HPG50A213K0SB 1/20 R88G-HPG50A20		1/33	R88G-HPG32A33600SB
1/1 R88G-HPG32A112K0SB 1/kW 1/21 R88G-HPG32A112K0SB 1/33 R88G-HPG32A112K0SB 1/33 R88G-HPG32A112K0SB 1/45 R88G-HPG32A053K0SB 1/45 R88G-HPG32A053K0B 1/5 R88G-HPG32A053K0B 1/5 R88G-HPG32A112K0SB 1/11 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG50A332K0SB 1/21 R88G-HPG32A053K0B 1/33 R88G-HPG32A053K0B 1/11 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A054K0B 1/21 R88G-HPG50A115K0B 1/21 R88G-HPG50A115K0B 1/21 R88G-HPG50A115K0B 1/21 R88G-HPG50A115K0SB 1/21 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB 1/20		1/45	R88G-HPG50A451K5B
1 kW 1/21 R88G-HPG32A211K0SB 1/33 R88G-HPG50A332K0SB 1/45 R88G-HPG50A332K0SB 1/45 R88G-HPG32A053K0B 1.45 R88G-HPG32A053K0B 1.5 kW 1/1 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG50A213K0B 1/21 R88G-HPG50A332K0SB 1/33 R88G-HPG50A332K0SB 1/31 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A054K0B 1/21 R88G-HPG50A332K0SB 1/21 R88G-HPG50A213K0B 1/21 R88G-HPG50A213K0B 1/21 R88G-HPG50A115K0B 1/21 R88G-HPG50A115K0B 1/21 R88G-HPG50A213K0SB 1/21 R88G-HPG50A115K0SB 1/21 R88G-HPG50A115K0SB 1/25 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB		1/5	R88G-HPG32A053K0B
1/33 R88G-HPG50A332K0SB 1/45 R88G-HPG50A451K0SB 1/45 R88G-HPG50A451K0SB 1/45 R88G-HPG32A053K0B 1/5 R88G-HPG32A053K0B 1/11 R88G-HPG32A053K0B 1/21 R88G-HPG32A112K0SB 1/21 R88G-HPG50A332K0SB 1/33 R88G-HPG50A213K0B 1/33 R88G-HPG32A053K0B 1/11 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A054K0B 1/21 R88G-HPG50A213K0B 1/21 R88G-HPG50A115K0B 1/21 R88G-HPG50A213K0SB 1/21 R88G-HPG50A213K0SB 1/21 R88G-HPG50A115K0B 1/21 R88G-HPG50A115K0SB 1/25 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB 1/21 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB 1/21 R88G-HPG50A115K0SB 1/25 R88G-HPG50A0		1/11	R88G-HPG32A112K0SB
1/45 R88G-HPG50A451K0SB 1/45 R88G-HPG32A053K0B 1.5 kW 1/5 R88G-HPG32A053K0B 1/21 R88G-HPG32A112K0SB 1/21 R88G-HPG50A213K0B 1/33 R88G-HPG50A32K0SB 1/33 R88G-HPG50A213K0B 1/33 R88G-HPG32A053K0B 1/11 R88G-HPG50A213K0B 1/21 R88G-HPG50A213K0B 1/21 R88G-HPG50A213K0B 1/21 R88G-HPG50A213K0B 1/21 R88G-HPG50A322K0SB 1/21 R88G-HPG50A213K0B 1/33 R88G-HPG50A115K0B 1/21 R88G-HPG50A213K0SB 1/21 R88G-HPG50A213K0SB 1/21 R88G-HPG50A115K0B 1/21 R88G-HPG50A115K0SB 1/25 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB 1/20	1 kW	1/21	R88G-HPG32A211K0SB
1/5 R88G-HPG32A053K0B 1.5 kW 1/1 R88G-HPG32A112K0SB 1/21 R88G-HPG32A112K0SB 1/33 R88G-HPG32A13K0B 1/33 R88G-HPG32A053K0B 1/33 R88G-HPG32A053K0B 1/3 R88G-HPG32A053K0B 1/11 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG50A213K0B 1/21 R88G-HPG50A332K0SB 1/21 R88G-HPG50A332K0SB 1/21 R88G-HPG50A332K0SB 1/21 R88G-HPG50A115K0B 1/21 R88G-HPG50A115K0B 1/21 R88G-HPG50A115K0SB 1/21 R88G-HPG50A055K0SB 1/25 R88G-HPG50A115K0SB 1/20 R88G-HPG50A055K0SB 1/20 R88G-HPG50A115K0SB 1/21 R88G-HPG50A055K0SB 1/20 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB 1/20		1/33	R88G-HPG50A332K0SB
1.5 kW 1/11 R88G-HPG32A112K0SB 1/21 R88G-HPG50A213K0B 1/33 R88G-HPG50A32K0SB 2 kW 1/5 R88G-HPG32A053K0B 1/11 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG50A213K0B 1/21 R88G-HPG50A332K0SB 1/33 R88G-HPG50A332K0SB 1/33 R88G-HPG50A332K0SB 1/33 R88G-HPG50A332K0SB 1/33 R88G-HPG50A332K0SB 1/11 R88G-HPG50A115K0B 1/21 R88G-HPG50A213K0SB 1/21 R88G-HPG50A213K0SB 1/21 R88G-HPG50A213K0SB 1/21 R88G-HPG50A213K0SB 1/25 R88G-HPG50A055K0SB 1/20 R88G-HPG50A055K0SB 1/20 R88G-HPG50A055K0SB 1/20 R88G-HPG50A115K0SB 1/20 R88G-HPG50A055K0SB 1/20 R88G-HPG50A055K0SB 1/20 R88G-HPG50A055K0SB		1/45	R88G-HPG50A451K0SB
1.5 kW 1/21 R88G-HPG50A213K0B 1/33 R88G-HPG50A32K0SB 2 kW 1/5 R88G-HPG32A053K0B 1/11 R88G-HPG32A053K0B 1/21 R88G-HPG32A053K0B 1/21 R88G-HPG50A213K0B 1/21 R88G-HPG50A213K0B 1/21 R88G-HPG50A32K0SB 1/33 R88G-HPG50A332K0SB 1/33 R88G-HPG50A332K0SB 1/33 R88G-HPG50A332K0SB 1/33 R88G-HPG50A332K0SB 1/11 R88G-HPG50A115K0B 1/21 R88G-HPG50A213K0SB 1/21 R88G-HPG50A213K0SB 1/25 R88G-HPG50A213K0SB 1/25 R88G-HPG50A115K0SB 1/20 R88G-HPG50A055K0SB 1/20 R88G-HPG50A055K0SB 1/21 R88G-HPG50A055K0SB 1/25 R88G-HPG50A055K0SB 1/25 R88G-HPG50A055K0SB 1/20 R88G-HPG50A055K0SB 1/20 R88G-HPG50A055K0SB 1/20 R88G-HPG50A055K0SB		1/5	R88G-HPG32A053K0B
1/21 R88G-HPG50A213K0B 1/33 R88G-HPG50A32K0SB 1/33 R88G-HPG32A053K0B 1/5 R88G-HPG32A053K0B 1/1 R88G-HPG32A053K0B 1/21 R88G-HPG50A213K0B 1/21 R88G-HPG50A213K0B 1/21 R88G-HPG50A213K0B 1/33 R88G-HPG50A213K0B 1/33 R88G-HPG50A332K0SB 1/34 R88G-HPG50A115K0B 1/21 R88G-HPG50A115K0B 1/21 R88G-HPG50A213K0SB 1/21 R88G-HPG50A213K0SB 1/25 R88G-HPG50A213K0SB 1/25 R88G-HPG50A055K0SB 1/26 R88G-HPG50A055K0SB 1/20 R88G-HPG50A055K0SB 1/25 R88G-HPG50A055K0SB 1/26 R88G-HPG50A055K0SB 1/27 R88G-HPG50A055K0SB 1/28 R88G-HPG50A055K0SB 1/29 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB 1/20 R88G-HPG50A155K0SB	1 5 100/	1/11	R88G-HPG32A112K0SB
1/5 R88G-HPG32A053K0B 1/11 R88G-HPG32A112K0SB 1/21 R88G-HPG32A112K0SB 1/21 R88G-HPG32A13K0B 1/33 R88G-HPG50A213K0B 1/33 R88G-HPG50A332K0SB 1/3 R88G-HPG50A332K0SB 3 kW 1/5 R88G-HPG50A115K0B 1/21 R88G-HPG50A213K0SB 1/21 R88G-HPG50A213K0SB 1/25 R88G-HPG50A213K0SB 1/25 R88G-HPG50A213K0SB 1/25 R88G-HPG50A213K0SB 1/20 R88G-HPG50A255K0SB 1/20 R88G-HPG50A055K0SB 1/20 R88G-HPG50A055K0SB 1/20 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB	1.3 KVV	1/21	R88G-HPG50A213K0B
2 kW 1/11 R88G-HPG32A112K0SB 1/21 R88G-HPG50A213K0B 1/33 R88G-HPG50A213K0B 1/33 R88G-HPG50A32K0SB 3 kW 1/5 R88G-HPG50A32K0SB 1/11 R88G-HPG50A115K0B 1/21 R88G-HPG50A213K0SB 1/21 R88G-HPG50A213K0SB 1/25 R88G-HPG50A213K0SB 1/25 R88G-HPG50A213K0SB 1/25 R88G-HPG50A213K0SB 1/25 R88G-HPG50A055K0SB 1/20 R88G-HPG50A055K0SB 1/20 R88G-HPG50A055K0SB 1/25 R88G-HPG50A055K0SB 1/20 R88G-HPG50A055K0SB 5 kW 1/11 R88G-HPG50A055K0SB 1/20 R88G-HPG50A055K0SB 1/20 R88G-HPG50A055K0SB		1/33	R88G-HPG50A332K0SB
2 kW 1/21 R88G-HPG50A213K0B 1/33 R88G-HPG50A32K0SB 3 kW 1/5 R88G-HPG50A332K0SB 1/5 R88G-HPG50A115K0B 1/11 R88G-HPG50A213K0SB 1/21 R88G-HPG50A213K0SB 1/25 R88G-HPG50A213K0SB 1/25 R88G-HPG50A213K0SB 1/25 R88G-HPG50A253K0SB 1/25 R88G-HPG50A115K0SB 1/11 R88G-HPG50A115K0SB 1/20 R88G-HPG65A255K0SB 1/25 R88G-HPG65A255K0SB 1/25 R88G-HPG65A255K0SB 1/20 R88G-HPG50A055K0SB 5 kW 1/11 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB		1/5	R88G-HPG32A053K0B
1/21 R88G-HPG50A213K0B 1/33 R88G-HPG50A332K0SB 1/33 R88G-HPG50A332K0SB 3 kW 1/5 R88G-HPG50A135K0B 1/11 R88G-HPG50A115K0B 1/21 R88G-HPG50A213K0SB 1/25 R88G-HPG50A213K0SB 1/25 R88G-HPG50A253K0SB 1/25 R88G-HPG50A055K0SB 1/10 R88G-HPG50A115K0SB 1/20 R88G-HPG50A055K0SB 1/25 R88G-HPG50A055K0SB 1/26 R88G-HPG50A055K0SB 1/27 R88G-HPG50A055K0SB 1/28 R88G-HPG50A055K0SB 1/29 R88G-HPG50A115K0SB 5 kW 1/11 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB	0 1/1/1	1/11	R88G-HPG32A112K0SB
1/5 R88G-HPG32A054K0B 1/1 R88G-HPG50A115K0B 1/21 R88G-HPG50A213K0SB 1/25 R88G-HPG50A213K0SB 1/25 R88G-HPG50A253K0SB 1/25 R88G-HPG50A055K0SB 1/11 R88G-HPG50A115K0SB 1/11 R88G-HPG50A115K0SB 1/20 R88G-HPG5A205K0SB 1/25 R88G-HPG50A055K0SB 1/25 R88G-HPG50A055K0SB 1/25 R88G-HPG50A055K0SB 1/25 R88G-HPG50A055K0SB 1/25 R88G-HPG50A055K0SB 1/20 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB	ZKVV	1/21	R88G-HPG50A213K0B
3 kW 1/11 R88G-HPG50A115K0B 1/21 R88G-HPG50A213K0SB 1/25 R88G-HPG50A213K0SB 1/25 R88G-HPG50A253K0SB 4 kW 1/5 R88G-HPG50A055K0SB 1/11 R88G-HPG50A115K0SB 1/20 R88G-HPG5A205K0SB 1/25 R88G-HPG5A205K0SB 1/25 R88G-HPG50A055K0SB 1/25 R88G-HPG50A055K0SB 1/25 R88G-HPG50A055K0SB 1/5 R88G-HPG50A115K0SB 1/11 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB		1/33	R88G-HPG50A332K0SB
3 kW 1/21 R88G-HPG50A213K0SB 1/25 R88G-HPG65A253K0SB 1/25 R88G-HPG65A253K0SB 4 kW 1/5 R88G-HPG50A055K0SB 1/11 R88G-HPG50A115K0SB 1/20 R88G-HPG65A205K0SB 1/25 R88G-HPG65A205K0SB 1/25 R88G-HPG65A255K0SB 1/5 R88G-HPG50A055K0SB 1/5 R88G-HPG50A055K0SB 1/11 R88G-HPG50A115K0SB 1/20 R88G-HPG55A205K0SB		1/5	R88G-HPG32A054K0B
1/21 R88G-HPG50A213K0SB 1/25 R88G-HPG65A253K0SB 1/25 R88G-HPG50A055K0SB 1/11 R88G-HPG50A115K0SB 1/20 R88G-HPG65A205K0SB 1/20 R88G-HPG65A205K0SB 1/25 R88G-HPG65A205K0SB 1/25 R88G-HPG65A255K0SB 1/25 R88G-HPG65A255K0SB 1/5 R88G-HPG50A055K0SB 1/11 R88G-HPG50A115K0SB 5 kW 1/11 1/20 R88G-HPG55A205K0SB	2 1/1/	1/11	R88G-HPG50A115K0B
1/5 R88G-HPG50A055K0SB 1/11 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB 1/20 R88G-HPG65A205K0SB 1/25 R88G-HPG65A255K0SB 1/25 R88G-HPG50A055K0SB 1/5 R88G-HPG50A055K0SB 1/11 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB	3 KVV	1/21	R88G-HPG50A213K0SB
4 kW 1/11 R88G-HPG50A115K0SB 1/20 R88G-HPG65A205K0SB 1/25 R88G-HPG65A255K0SB 1/25 R88G-HPG50A055K0SB 1/5 R88G-HPG50A055K0SB 5 kW 1/11 R88G-HPG50A115K0SB 1/20 R88G-HPG50A115K0SB		1/25	R88G-HPG65A253K0SB
4 kW 1/20 R88G-HPG65A205K0SB 1/25 R88G-HPG65A255K0SB 1/25 R88G-HPG50A055K0SB 5 kW 1/11 R88G-HPG50A115K0SB 1/20 R88G-HPG65A205K0SB		1/5	R88G-HPG50A055K0SB
1/20 R88G-HPG65A205K0SB 1/25 R88G-HPG65A255K0SB 1/25 R88G-HPG50A055K0SB 1/5 R88G-HPG50A115K0SB 1/11 R88G-HPG50A115K0SB 1/20 R88G-HPG65A205K0SB	4 1/1/	1/11	R88G-HPG50A115K0SB
1/5 R88G-HPG50A055K0SB 1/11 R88G-HPG50A115K0SB 1/20 R88G-HPG65A205K0SB	4 KVV	1/20	R88G-HPG65A205K0SB
5 kW 1/11 R88G-HPG50A115K0SB 1/20 R88G-HPG65A205K0SB		1/25	R88G-HPG65A255K0SB
5 kW 1/20 R88G-HPG65A205K0SB	5 kW	1/5	R88G-HPG50A055K0SB
1/20 R88G-HPG65A205K0SB		1/11	R88G-HPG50A115K0SB
1/25 R88G-HPG65A255K0SB		1/20	R88G-HPG65A205K0SB
		1/25	R88G-HPG65A255K0SB

Note: 1. The standard models have a straight shaft.

 To order a Servomotor with a straight shaft with key, add "J" to the end of the model number, in the place indicated by the box.

● 1,000-r/min servomotors

Straight shaft without key

Motor capacity	Gear Ratio	Model (Straight shaft)	
	1/5	R88G-HPG32A05900TB	
900 W	1/11	R88G-HPG32A11900TB	
900 W	1/21	R88G-HPG50A21900TB	
	1/33	R88G-HPG50A33900TB	
	1/5	R88G-HPG32A052K0TB	
2 kW	1/11	R88G-HPG50A112K0TB	
ZKVV	1/21	R88G-HPG50A212K0TB	
	1/25	R88G-HPG65A255K0SB	
	1/5	R88G-HPG50A055K0SB	
3 kW	1/11	R88G-HPG50A115K0SB	
JKVV	1/20	R88G-HPG65A205K0SB	
	1/25	R88G-HPG65A255K0SB	

Note: 1. The standard models have a straight shaft.

 To order a Servomotor with a straight shaft with key, add "J" to the end of the model number, in the place indicated by the box.

Backlash = 15' Max <Cylinder Type> ● 3,000-r/min servomotors

Straight shaft with key

I.

I

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Motor capacity	Gear Ratio	Model (Straight shaft)		
	1/5	R88G-VRXF05B100CJ		
50 W	1/9	R88G-VRXF09B100CJ		
50 W	1/15	R88G-VRXF15B100CJ		
	1/25	R88G-VRXF25B100CJ		
	1/5	R88G-VRXF05B100CJ		
100 W	1/9	R88G-VRXF09B100CJ		
100 W	1/15	R88G-VRXF15B100CJ		
	1/25	R88G-VRXF25B100CJ		
200 W	1/5	R88G-VRXF05B200CJ		
	1/9	R88G-VRXF09C200CJ		
200 W	1/15	R88G-VRXF15C200CJ		
	1/25	R88G-VRXF25C200CJ		
	1/5	R88G-VRXF05C400CJ		
400 W	1/9	R88G-VRXF09C400CJ		
	1/15	R88G-VRXF15C400CJ		
	1/25	R88G-VRXF25C400CJ		
750 W (200 V)	1/5	R88G-VRXF05C750CJ		
	1/9	R88G-VRXF09D750CJ		
	1/15	R88G-VRXF15D750CJ		
	1/25	R88G-VRXF25D750CJ		

Note: Decelerators (Backlash = 15' Max.) The new R88G-VRXF Series of the Decelerators (Backlash = 15' Max.) was released in October 2017. The old R88G-VRSF Series will be discontinued at the end of I March 2019.

Accessories and Cables

■ Connection Cables (Power Cables, Brake Cables, Encoder Cables) <Non-flexible Cables>

Power cable

Specifications		Without brake	With brake
		Model	Model
	3 m	R88A-CAKA003S	
	5 m	R88A-CAKA005S	
	10 m	R88A-CAKA010S	
[100 V/200 V]	15m	R88A-CAKA015S	
3,000-r/min Servomotors of 50 to 750 W	20 m	R88A-CAKA020S	
	30 m	R88A-CAKA030S	
	40 m	R88A-CAKA040S	
	50 m	R88A-CAKA050S	
	3 m	R88A-CAGB003S	R88A-CAGB003B
	5 m	R88A-CAGB005S	R88A-CAGB005B
[200 V]	10 m	R88A-CAGB010S	R88A-CAGB010B
3,000-r/min Servomotors of 1 to 2 kW	15 m	R88A-CAGB015S	R88A-CAGB015B
2,000-r/min Servomotors of 1 to 2 kW 1,000-r/min Servomotors of 900 W	20 m	R88A-CAGB020S	R88A-CAGB020B
1,000-min Servomotors of 900 w	30 m	R88A-CAGB030S	R88A-CAGB030B
	40 m	R88A-CAGB040S	R88A-CAGB040B
	50 m	R88A-CAGB050S	R88A-CAGB050B
	3 m	R88A-CAGB003S	R88A-CAKF003B
	5 m	R88A-CAGB005S	R88A-CAKF005B
[400 V]	10 m	R88A-CAGB010S	R88A-CAKF010B
3,000-r/min Servomotors of 750 W to 2 kW	15 m	R88A-CAGB015S	R88A-CAKF015B
2,000-r/min Servomotors of 400 W to 2 kW	20 m	R88A-CAGB020S	R88A-CAKF020B
1,000-r/min Servomotors of 900 W	30 m	R88A-CAGB030S	R88A-CAKF030B
	40 m	R88A-CAGB040S	R88A-CAKF040B
	50 m	R88A-CAGB050S	R88A-CAKF050B
	3 m	R88A-CAGD003S	R88A-CAGD003B
	5 m	R88A-CAGD005S	R88A-CAGD005B
200 V] [400 V]	10 m	R88A-CAGD010S	R88A-CAGD010B
3,000-r/min Servomotors of 3 to 5 kW	15 m	R88A-CAGD015S	R88A-CAGD015B
2,000-r/min Servomotors of 3 to 5 kW	20 m	R88A-CAGD020S	R88A-CAGD020B
1,000-r/min Servomotors of 2 to 4.5 kW	30 m	R88A-CAGD030S	R88A-CAGD030B
	40 m	R88A-CAGD040S	R88A-CAGD040B
	50 m	R88A-CAGD050S	R88A-CAGD050B
	3 m	R88A-CAGE003S	
	5 m	R88A-CAGE005S	
[200 V] [400 V]	10 m	R88A-CAGE010S	
	15 m	R88A-CAGE015S	
1,500-r/min Servomotors of 7.5 kW 1,000-r/min Servomotors of 6 kW	20 m	R88A-CAGE020S	
	30 m	R88A-CAGE030S	
	40 m	R88A-CAGE040S	
	50 m	R88A-CAGE050S	

Note: 1. Different connectors are used for the motor power and the brake on 100-V and 200-V, 3,000-r/min Servomotors of 50 to 750 W and Servomotors of 6 to 15 kW. When using a Servomotor with a brake, two cables are required: a Power Cable without Brake and a Brake Cable.

2. For non-flexible power cables for Servomotors of 11 or 15 kW, refer to the G5 series USER'S MANUAL and make your own cable. Confirm the Manual No. that is listed in Related Manuals.

Brake Cable

Specifications		Non-flexible Cables	
		Model	
	3 m	R88A-CAKA003B	
	5 m	R88A-CAKA005B	
[100 V][200 V]	10 m	R88A-CAKA010B	
3,000-r/min	15 m	R88A-CAKA015B	
Servomotors of	20 m	R88A-CAKA020B	
50 to 750 W	30 m	R88A-CAKA030B	
	40 m	R88A-CAKA040B	
	50 m	R88A-CAKA050B	
	3 m	R88A-CAGE003B	
[200 V][400 V]	5 m	R88A-CAGE005B	
1,500-r/min	10 m	R88A-CAGE010B	
Servomotors of 7.5 to 15 kW	15 m	R88A-CAGE015B	
1,000-r/min	20 m	R88A-CAGE020B	
Servomotors of	30 m	R88A-CAGE030B	
6 kW	40 m	R88A-CAGE040B	
	50 m	R88A-CAGE050B	

Encoder Cable			
On saifisations		Non-flexible Cables	
Specification	15	Model	
	3 m	R88A-CRKA003C	
	5 m	R88A-CRKA005C	
[100 V/200 V]	10 m	R88A-CRKA010C	
3,000-r/min	15 m	R88A-CRKA015C	
Servomotors of 50 to 750 W	20 m	R88A-CRKA020C	
	30 m	R88A-CRKA030C	
	40 m	R88A-CRKA040C	
	50 m	R88A-CRKA050C	
[100 V and 200 V] 3.000-r/min Servomotors	3 m	R88A-CRKC003N	
	5 m	R88A-CRKC005N	
of 1.0 kW or more 2.000-r/min Servomotors	10 m	R88A-CRKC010N	
1,500-r/min Servomotors 1.000-r/min Servomotors	15 m	R88A-CRKC015N	
[400 V]	20 m	R88A-CRKC020N	
3,000-r/min Servomotors 2,000-r/min Servomotors	30 m	R88A-CRKC030N	
1,500-r/min Servomotors 1,000-r/min Servomotors	40 m	R88A-CRKC040N	
	50 m	R88A-CRKC050N	

<Flexible Cables>

Power cable

Specifications		Without brake	With brake
opecnications		Model	Model
		R88A-CAKA003SR	
	5 m	R88A-CAKA005SR	Note: There are separate connectors for
	10 m	R88A-CAKA010SR	power and brakes for 3,000-r/min
[100 V/200 V]	15 m	R88A-CAKA015SR	Servomotors of 50 to 750W. When a Servomotor with a brake is used, it is
3,000-r/min Servomotors of 50 to 750 W	20 m	R88A-CAKA020SR	necessary to use both a PowerCable
	30 m	R88A-CAKA030SR	for Servomotors without brakes and
	40 m	R88A-CAKA040SR	Power cable.
	50 m	R88A-CAKA050SR	
	3 m	R88A-CAGB003SR	R88A-CAGB003BR
	5 m	R88A-CAGB005SR	R88A-CAGB005BR
[200 V]	10 m	R88A-CAGB010SR	R88A-CAGB010BR
3,000-r/min Servomotors of 1 to 2 kW	15 m	R88A-CAGB015SR	R88A-CAGB015BR
2,000-r/min Servomotors of 1 to 2 kW 1,000-r/min Servomotors of 900 W	20 m	R88A-CAGB020SR	R88A-CAGB020BR
	30 m	R88A-CAGB030SR	R88A-CAGB030BR
	40 m	R88A-CAGB040SR	R88A-CAGB040BR
	50 m	R88A-CAGB050SR	R88A-CAGB050BR
	3 m	R88A-CAGB003SR	R88A-CAKF003BR
	5 m	R88A-CAGB005SR	R88A-CAKF005BR
[400 V]	10 m	R88A-CAGB010SR	R88A-CAKF010BR
3,000-r/min Servomotors of 750 W to 2 kW	15 m	R88A-CAGB015SR	R88A-CAKF015BR
2,000-r/min Servomotors of 400 W to 2 kW	20 m	R88A-CAGB020SR	R88A-CAKF020BR
1,000-r/min Servomotors of 900 W	30 m	R88A-CAGB030SR	R88A-CAKF030BR
	40 m	R88A-CAGB040SR	R88A-CAKF040BR
	50 m	R88A-CAGB050SR	R88A-CAKF050BR
	3 m	R88A-CAGD003SR	R88A-CAGD003BR
[200 V] [400 V] 3,000-r/min Servomotors of 3 to 5 kW	5 m	R88A-CAGD005SR	R88A-CAGD005BR
	10 m	R88A-CAGD010SR	R88A-CAGD010BR
	15 m	R88A-CAGD015SR	R88A-CAGD015BR
2,000-r/min Servomotors of 3 to 5 kW	20 m	R88A-CAGD020SR	R88A-CAGD020BR
1,000-r/min Servomotors of 4.5 kW	30 m	R88A-CAGD030SR	R88A-CAGD030BR
	40 m	R88A-CAGD040SR	R88A-CAGD040BR
	50 m	R88A-CAGD050SR	R88A-CAGD050BR

Note: 1. Different connectors are used for the motor power and the brake on 100-V and 200-V, 3,000-r/min Servomotors of 50 to 750 W and Servomotors of 6 to 15 kW. When using a Servomotor with a brake, two cables are required: a Power Cable without Brake and a Brake Cable.
 Note: 2. For flexible power cables for Servomotors of 11 to 15 kW, refer to the G5 series USER'S MANUAL and make your own cable. For flexible power cables for Servomotors of 6 to 7.5 kW, refer to the G5 series USER'S MANUAL and make your own power cable.

Brake Cable

Specifications		Flexible Cables	
		Model	
	3 m	R88A-CAKA003BR	
	5 m	R88A-CAKA005BR	
[100 V] [200 V] 3,000-r/min Servomotors of 50 to 750 W	10 m	R88A-CAKA010BR	
	15 m	R88A-CAKA015BR	
	20 m	R88A-CAKA020BR	
	30 m	R88A-CAKA030BR	
	40 m	R88A-CAKA040BR	
	50 m	R88A-CAKA050BR	

Note: For flexible brake cables for Servomotors of 6 to 15 kW, refer to the G5 series USER'S MANUAL and make your own brake cable. Confirm the Manual No. that is listed in Related Manuals.

Encoder Cable

Specifications		Flexible Cables	
		Model	
	3 m	R88A-CRKA003CR	
[100 V/200 V]	5 m	R88A-CRKA005CR	
3,000-r/min Servomotors of	10 m	R88A-CRKA010CR	
50 to 750 W	15 m	R88A-CRKA015CR	
(for both absolute encoders and	20 m	R88A-CRKA020CR	
encoders and incremental encoders)	30 m	R88A-CRKA030CR	
	40 m	R88A-CRKA040CR	
	50 m	R88A-CRKA050CR	
[100 V and 200 V] 3.000-r/min Servomotors	3 m	R88A-CRKC003NR	
	5 m	R88A-CRKC005NR	
of 1.0 kW or more 2,000-r/min Servomotors	10 m	R88A-CRKC010NR	
1,500-r/min Servomotors 1,000-r/min Servomotors	15 m	R88A-CRKC015NR	
[400 V] 3,000-r/min Servomotors 2,000-r/min Servomotors	20 m	R88A-CRKC020NR	
	30 m	R88A-CRKC030NR	
1,500-r/min Servomotors 1,000-r/min Servomotors	40 m	R88A-CRKC040NR	
.,	50 m	R88A-CRKC050NR	

Cable/Connector Absolute Encoder Battery Cable

Name	Length	model
Absolute Encoder Battery Cable (Battery not included)	0.3 m	R88A-CRGD0R3C
Absolute Encoder Battery Cable (One R88A-BAT01G Battery included)	0.3 m	R88A-CRGD0R3C-BS

Absolute Encoder Backup Battery

Specifications	Model	
2.000 mA • h 3.6 V	R88A-BAT01G	

Analog Monitor Cable

Name	Length	Model
Analog Monitor Cable	1 m	R88A-CMK001S

Servo Drive Connectors (common)

Name	Connects to	Model
Encoder Connector	CN2	R88A-CNW01R
External Scale Connector	CN4	R88A-CNK41L
safety bypass connector	CN8	R88A-CNK81S

Servo Drive Connectors

Name	Connects to	Drive type	Model
		General-purpose Input	R88A-CNU11C
Control I/O Connector	CN1	MECHATROLINK-II Communications EtherCAT Communications EtherCAT Communications Linear motor	R88A-CNW01C

Servomotor Connector

Name		Model	
Name	Applicable Servomotor Capacity	Model	
	[100 V/200 V] 3,000 r/min (50 to 750 W)	R88A-CNK02R	
Servomotor Connector for Encoder Cable	[100 V/200 V] 3,000 r/min (1 to 5 kW) 2,000r/min,1,000r/min [400 V] 3,000 r/min, 2,000 r/min, 1,000 r/min	R88A-CNK04R	
Power Cable Connector	(750 W max.)	R88A-CNK11A	
Brake Cable Connector	(750 W max.)	R88A-CNK11B	

External Encoder Cable

Name	Lengths	Model
Serial Communications Cable	10 m	R88A-CRKE010SR

Control Cables Control Cables (for Connector Terminal Block/CN1)

Name		Model		
		Specifications		
	General-pur	pose Input	Length 1.0 m	XW2Z-100J-B24
Connector Terminal Block Cables	cionerai pui	poor input	Length 2.0 m	XW2Z-200J-B24
Connector Terminal Block Cables		DLINK-II Communications	Length 1.0 m	XW2Z-100J-B34
	EtherCAT C	ommunications	Length 2.0 m	XW2Z-200J-B34
		Conversion Unit for General-purpose Controllers (M3 screws)	Through type	XW2B-50G4
	General- purpose Input	Conversion Unit for General-purpose Controllers (M3.5 screws)		XW2B-50G5
Connector Terminal Block Conversion		Conversion Unit for General-purpose Controllers (M3 screws)	Slim type	XW2D-50G6
Unit	MECHATR OLINK-II	Conversion Unit for General-purpose Controllers (M3 screws)	Through type	XW2B-20G4
	Communic ations EtherCAT Communic ations	Conversion Unit for General-purpose Controllers (M3.5 screws)		XW2B-20G5
		Communic	Conversion Unit for General-purpose Controllers (M3 screws)	Slim type

• General-purpose Inputs (Analog input/Pulse train input type)

Connection Cables (for CN1)

Specifications		The number	Length	Model
Name	Unit	of axes	Lengui	woder
			1 m	XW2Z-100J-G9
		for 1 axis	5 m	XW2Z-500J-G9
Position Control Unit (High-speed type)	CJ1W-NC234/434		10 m	XW2Z-10MJ-G9
for Line-driver output	CJ1W-INC234/434		1 m	XW2Z-100J-G1
		for 2 axis	5 m	XW2Z-500J-G1
			10 m	XW2Z-10MJ-G1
		for 1 axis	1 m	XW2Z-100J-G13
Position Control Unit (High-speed type)	CJ1W-NC214/NC414	for I axis	3 m	XW2Z-300J-G13
for Open collector output		for 2 axis	1 m	XW2Z-100J-G5
			3 m	XW2Z-300J-G5
		for 1 axis	1 m	R88A-CPG001M1
			2 m	R88A-CPG002M1
			3 m	R88A-CPG003M1
Control Cables	CS1W-MC221 (-V1)		5 m	R88A-CPG005M1
for Motion Control Unit	CS1W-MC421 (-V1)		1 m	R88A-CPG001M2
		for 2 axis	2 m	R88A-CPG002M2
		ior 2 axis	3 m	R88A-CPG003M2
			5 m	R88A-CPG005M2
General-purpose Control Cables with	Cables for Constal numbers Constanting		1 m	R88A-CPG001S
Connector on One End	Cables for General-purpose Controllers	_	2 m	R88A-CPG002S

Device for External Signal Connection / Connecting Cables (for CJ1W-NC□□4)

Name		Specifications	Specifications		
			Length 0.5 m	XW2Z-C50X	
			Length 1.0 m	XW2Z-100X	
	Connection		Length 2.0 m	XW2Z-200X	
Connector Terminal Block Cables	Normal wiring	Length 3.0 m	XW2Z-300X		
			Length 5.0 m	XW2Z-500X	
		Length 10.0 m	XW2Z-010X		
Connector		20 pin M3 screw Terminal Block type	Through type	XW2B-20G4	
Terminal Block Conversion Unit	Terminal Block	20 pin M3.5 screw Terminal Block type	Through type	XW2B-20G5	
	20 pin M3 screw Terminal Block type	Slim type	XW2D-20G6		

Servo Relay Units (for CN1)

Specifications	The number of axes	Model
Position Control Unit: For CJ1W-NC113/NC133 For CS1W-NC113/NC133 For C200HW-NC113 *	for 1 axis	XW2B-20J6-1B
Position Control Unit: For CJ1W-NC213/NC233/NC413/NC433 For CS1W-NC213/NC233/NC413/NC433 For C200HW-NC213/NC413 *	for 2 axis	XW2B-40J6-2B
For CJ2M-CPU31/CPU32/CPU33/CPU34/CPU35	for 1 axis	XW2B-20J6-8A
For CJ2M-CPU11/CPU12/CPU13/CPU14/CPU15	for 2 axis	XW2B-40J6-9A
For FQM1-MMA22 (Analog output) For FQM1-MMP22 (Pulse train output)	for 2 axis	XW2B-80J7-12A

*C200HW-NC was discontinued.

Servo Relay Unit cable (for Servo Drive/CN1)

Specifications	Length	Model
Position Control Unit: For CJ1W-NC	1 m	XW2Z-100J-B25
For CS1W/C200HW-NC * (XW2B-20J6-1B, XW2B-40J6-2B)	2 m	XW2Z-200J-B25
For CJ2M-CPU31/CPU32/CPU33/CPU34/CPU35 For CJ2M-CPU11/CPU12/CPU13/CPU14/CPU15 (XW2B-20J6-8A, XW2B-40J6-9A)	1 m	XW2Z-100J-B31
	2 m	XW2Z-200J-B31
For FQM1-MMA22 (Analog output)	1 m	XW2Z-100J-B27
(XW2B-80J7-12A)	2 m	XW2Z-200J-B27
For FQM1-MMP22 (Pulse train output)	1 m	XW2Z-100J-B26
(XW2B-80J7-12A)	2 m	XW2Z-200J-B26

*C200HW-NC was discontinued.

Note: You cannot use a Servo Relay Unit Cable for line-receiver inputs (+CWLD: CN1 pin 44, -CWLD: CN1 pin 45, +CCWLD: CN1 pin 46, -CCWLD: CN1 pin 47).

Use a General-purpose Control Cable and wire the connector to match the controller.

Servo Relay Unit cable (Position Control Unit)

Specifications		The number of axes	Length	Model
CJ1W line-driver output type	he-driver output type for 1 axis		0.5 m	XW2Z-050J-A18
For CJ1W-NC133 (XW2B-20J6-1B)		IUT I AXIS	1 m	XW2Z-100J-A18
CJ1W line-driver output type		for 2 axis	0.5 m	XW2Z-050J-A19
or CJ1W-NC233/NC433 (XW2B-40J6-	·2B)	101 2 2215	1 m	XW2Z-100J-A19
CS1W line-driver output type		for 1 axis	0.5 m	XW2Z-050J-A10
or CS1W-NC133 (XW2B-20J6-1B)		IUI I AXIS	1 m	XW2Z-100J-A10
S1W line-driver output type		for 2 axis	0.5 m	XW2Z-050J-A11
or CS1W-NC233/NC433 (XW2B-40J6	-2B)	101 2 2213	1 m	XW2Z-100J-A11
J1W open collector output type		for 1 axis	0.5 m	XW2Z-050J-A14
or CJ1W-NC113 (XW2B-20J6-1B)		101 1 4215	1 m	XW2Z-100J-A14
J1W open collector output type		for 2 axis	0.5 m	XW2Z-050J-A15
or CJ1W-NC213/NC413 (XW2B-40J6-	-2B)	101 2 0115	1 m	XW2Z-100J-A15
S1W/C200HW open collector output ty or CS1W-NC113	ype	for 1 axis	0.5 m	XW2Z-050J-A6
or C200HW-NC113 * (XW2B-20J6-1E	3)	IOI T AXIS	1 m	XW2Z-100J-A6
CS1W/C200HW open collector output type For CS1W-NC213/NC413 For C200HW-NC213/NC413 * (XW2B-40J6-2B)		for 2 axis	0.5 m	XW2Z-050J-A7
		101 2 4215	1 m	XW2Z-100J-A7
J1M open collector output type			0.5 m	XW2Z-050J-A33
or CJ2M-CPU31/CPU32/CPU33/CPU3 or CJ2M-CPU11/CPU12/CPU13/CPU XW2B-20J6-8A, XW2B-40J6-9A)		for 1 axis	1 m	XW2Z-100J-A33
	General-		0.5 m	XW2Z-050J-A28
	purpose I/O	for 2 axis	1 m	XW2Z-100J-A28
or FQM1-MMA22 (Analog output)	(26 pin)		2 m	XW2Z-200J-A28
(W2B-80J7-12A)	Special I/O		0.5 m	XW2Z-050J-A31
	Special I/O (40 pin)	for 2 axis	1 m	XW2Z-100J-A31
	(10 piii)		2 m	XW2Z-200J-A31
	General-		0.5 m	XW2Z-050J-A28
	purpose I/O	for 2 axis	1 m	XW2Z-100J-A28
or FQM1-MMP22 (Pulse train output)	(26 pin)		2 m	XW2Z-200J-A28
(W2B-80J7-12A)	0		0.5 m	XW2Z-050J-A30
	Special I/O (40 pin)	for 2 axis	1 m	XW2Z-100J-A30
	(40 pin)		2 m	XW2Z-200J-A30

*C200HW-NC was discontinued.

Communication Cables MECHATROLINK-II Communications MECHATROLINK-related Devices and Cables (Manufactured by Yaskawa Corporation)

Name			Model	Yaskawa model number
Name	Length (OMRON model number)		raskawa moder number	
		0.5 m	FNY-W6002-A5	JEPMC-W6002-A5-E
MECHATROLINK-II Cables	oth ando)	1.0 m	FNY-W6002-01	JEPMC-W6002-01-E
(without ring core and USB connector on b * Can be connected to R88D-GN and R88		3.0 m	FNY-W6002-03	JEPMC-W6002-03-E
	,.	5.0 m	FNY-W6002-05	JEPMC-W6002-05-E
		0.5 m	FNY-W6003-A5	JEPMC-W6003-A5
		1.0 m	FNY-W6003-01	JEPMC-W6003-01
		3.0 m	FNY-W6003-03	JEPMC-W6003-03
MECHATROLINK-II Cables (with ring core and USB connector on both	ende)	5.0 m	FNY-W6003-05	JEPMC-W6003-05
	chuby	10.0 m	FNY-W6003-10	JEPMC-W6003-10
		20.0 m	FNY-W6003-20	JEPMC-W6003-20
		30.0 m	FNY-W6003-30	JEPMC-W6003-30
MECHATROLINK-II Terminating Resistor	Terminating r	esistance	FNY-W6022	JEPMC-W6022
	Communicati	one Ronastor	_	IEPMC-BEP2000-E

 MECHATROLINK-II Repeater
 Communications Repeater
 –
 JEPMC-REP2000-E

 • MECHATROLINK-related Devices and Cables are manufactured by Yaskawa Corporation, but they can be ordered directly from OMRON using the OMRON model numbers. (Yaskawa-brand products will be delivered even when they are ordered from OMRON.)
 •

Recommended EtherCAT Communications Cables

Use Straight STP (shielded twisted-pair) cable of category 5 or higher with double shielding (braiding and aluminum foil tape) for EtherCAT.

Cabel with Connectors

Item	Appearance	Recommended manufacturer	Cable length(m)	Model
			0.3	XS6W-6LSZH8SS30CM-Y
Cable with Connectors on Both Ends (RJ45/RJ45) Standard RJ45 plugs type * 1 Wire Gauge and Number of Pairs: AWG26, 4-pair cable			0.5	XS6W-6LSZH8SS50CM-Y
		OMBON	1	XS6W-6LSZH8SS100CM-Y
Cable Sheath material: LSZH *2		OWINON	2	XS6W-6LSZH8SS200CM-Y
Cable color: Yellow			3	XS6W-6LSZH8SS300CM-Y
			5	XS6W-6LSZH8SS500CM-Y
			0.3	XS5W-T421-AMD-K
Cable with Connectors on Both Ends (RJ45/RJ45)			0.5	XS5W-T421-BMD-K
Rugged RJ45 plugs type ¥1 Wire Gauge and Number of Pairs: AWG22, 2-pair cable Cable color: Light blue	1 ar	OMBON	1	XS5W-T421-CMD-K
		OWINON	2	XS5W-T421-DMD-K
			5	XS5W-T421-GMD-K
			10	XS5W-T421-JMD-K
		OMRON	0.5	XS5W-T421-BM2-SS
Cable with Connectors on Both Ends (M12 Straight/M12 Straight)	1		1	XS5W-T421-CM2-SS
Shield Strengthening Connector cable *4 M12/Smartclick Connectors			2	XS5W-T421-DM2-SS
Wire Gauge and Number of Pairs: AWG22, 2-pair cable			3	XS5W-T421-EM2-SS
Cable color: Black			5	XS5W-T421-GM2-SS
			10	XS5W-T421-JM2-SS
			0.5	XS5W-T421-BMC-SS
Cable with Connectors on Both Ends (M12 Straight/RJ45) Shield Strengthening Connector cable *4			1	XS5W-T421-CMC-SS
M12/Smartclick Connectors		OMBON	2	XS5W-T421-DMC-SS
Rugged RJ45 plugs type			3	XS5W-T421-EMC-SS
Wire Gauge and Number of Pairs: AWG22, 2-pair cable Cable color: Black			5	XS5W-T421-GMC-SS
Cabic Color. Black			10	XS5W-T421-JMC-SS

***1.** Standard type cables length 0.2, 0.3, 0.5, 1, 1.5, 2, 3, 5, 7.5, 10, 15 and 20 m are available. Rugged type cables length 0.3, 0.5, 1, 2, 3, 5, 10 and 15 m are available.

For details, refer to Cat.No.G019.

*2. The lineup features Low Smoke Zero Halogen cables for in-cabinet use and PUR cables for out-of-cabinet use. Although the LSZH cable is single shielded, its communications and noise characteristics meet the standards.

***3.** Cables colors are available in blue, yellow, or Green.

***4.** For details, contact your OMRON representative.

Cables / Connectors Wire Gauge and Number of Pairs: AWG24, 4-pair Cable

Item	Appearance	Recommended manufacturer	Model
	-	Hitachi Metals, Ltd.	NETSTAR-C5E SAB 0.5 x 4P CP *
Cables	-	Kuramo Electric Co.	KETH-SB *
	-	SWCC Showa Cable Systems Co.	FAE-5004 *
RJ45 Connectors	_	Panduit Corporation	MPS588-C *

 $\ensuremath{\boldsymbol{\ast}}$ We recommend you to use above cable and connector together.

Wire Gauge and Number of Pairs: AWG22, 2-pair Cable

Item	Appearance	Recommended manufacturer	Model
Cables		Kuramo Electric Co.	KETH-PSB-OMR *
Cables	-	JMACS Japan Co., Ltd.	PNET/B *
RJ45 Assembly Connector		OMRON	XS6G-T421-1 *

*We recommend you to use above cable and connector together.

■ Peripheral Devices (External Regeneration Resistors, Reactors, Mounting Brackets) External Regeneration Resistors

Specifications	Model
80 W 50 Ω	R88A-RR08050S
80 W 100 Ω	R88A-RR080100S
220 W 47 Ω	R88A-RR22047S1
500 W 20 Ω	R88A-RR50020S

Reactors

	Spe	cifications		
General-purpose Inputs	MECHATROLINK-II Communications	EtherCAT Communications	Linear Motor with built-in EtherCAT communications	Model
R88D-KTA5L/-KT01H	R88D-KNA5L-ML2/-KN01H-ML2	R88D-KNA5L-ECT/-KN01H-ECT	R88D-KN01H-ECT-L	3G3AX-DL2002
(For single-phase input)	(For single-phase input)	(For single-phase input)	(For single-phase input)	JUJAN-DE2002
R88D-KT01L/-KT02H	R88D-KN01L-ML2/-KN02H-ML2	R88D-KN01L-ECT/-KN02H-ECT	R88D-KN01L-ECT-L/-KN02H-ECT-L	3G3AX-DL2004
(For single-phase input)	(For single-phase input)	(For single-phase input)	(For single-phase input)	COURT DE2004
R88D-KT02L/-KT04H	R88D-KN02L-ML2/-KN04H-ML2	R88D-KN02L-ECT/-KN04H-ECT	R88D-KN02L-ECT-L/-KN04H-ECT-L	3G3AX-DL2007
(For single-phase input)	(For single-phase input)	(For single-phase input)	(For single-phase input)	JUJAN-DL2007
R88D-KT04L/-KT08H/	R88D-KN04L-ML2/-KN08H-ML2/	R88D-KN04L-ECT/-KN08H-ECT/	R88D-KN04L-ECT-L/-KN08H-ECT-L/	
-KT10H	-KN10H-ML2	-KN10H-ECT	-KN10H-ECT-L	3G3AX-DL2015
(For single-phase input)	(For single-phase input)	(For single-phase input)	(For single-phase input)	
R88D-KT15H	R88D-KN15H-ML2	R88D-KN15H-ECT	R88D-KN15H-ECT-L	3G3AX-DL2022
(For single-phase input)	(For single-phase input)	(For single-phase input)	(For single-phase input)	OGOAA DELUEE
R88D-KT01H/-KT02H/	R88D-KN01H-ML2/-KN02H-ML2/	R88D-KN01H-ECT/-KN02H-ECT/	R88D-KN01H-ECT-L/-KN02H-ECT-L/	
-KT04H/-KT08H/	-KN04H-ML2/-KN08H-ML2/	-KN04H-ECT/KN08H-ECT/	-KN04H-ECT-L/-KN08H-ECT-L/	3G3AX-AL2025
-KT10H/-KT15H	-KN10H-ML2/-KN15H-ML2	-KN10H-ECT/-KN15H-ECT	-KN10H-ECT-L/-KN15H-ECT-L	000000000000000
(For three-phase input)	(For three-phase input)	(For three-phase input)	(For three-phase input)	
R88D-KT20H/-KT30H	R88D-KN20H-ML2/-KN30H-ML2	R88D-KN20H-ECT/-KN30H-ECT	-	3G3AX-AL2055
R88D-KT50H	R88D-KN50H-ML2	R88D-KN50H-ECT	-	3G3AX-AL2110
B88D-KT06F/-KT10F/-KT15F	R88D-KN06F-ML2/-KN10F-ML2/	R88D-KN06F-ECT/-KN10F-ECT/	R88D-KN06F-ECT-L/-KN10F-ECT-L/	3G3AX-AL4025
	-KN15F-ML2	-KN15F-ECT	-KN15F-ECT-L	
R88D-KT20F/-KT30F	R88D-KN20F-ML2/-KN30F-ML2	R88D-KN20F-ECT/-KN30F-ECT	R88D-KN20F-ECT-L/-KN30F-ECT-L	3G3AX-AL4055
R88D-KT50F	R88D-KN50F-ML2	R88D-KN50F-ECT	_	3G3AX-AL4110
R88D-KT75H/-KT150F	_	R88D-KT75H-ECT/-KT150F-ECT	_	3G3AX-AL4220

Mounting Brackets (L Brackets for Rack Mounting)

Specifications				
General-purpose Inputs	MECHATROLINK-II Communications	EtherCAT Communications	Linear Motor with built-in EtherCAT communications	Model
R88D-KTA5L/-KT01L/ -KT01H/-KT02H	R88D-KNA5L-ML2/-KN01L-ML2/ -KN01H-ML2/-KN02H-ML2	R88D-KNA5L-ECT/-KN01L-ECT/ -KN01H-ECT/-KN02H-ECT	R88D-KN01L-ECT-L/-KN01H-ECT-L/ -KN02H-ECT-L	R88A-TK01K
R88D-KT02L/-KT04H	R88D-KN02L-ML2/-KN04H-ML2	R88D-KN02L-ECT/-KN04H-ECT	R88D-KN02L-ECT-L/-KN04H-ECT-L	R88A-TK02K
R88D-KT04L/-KT08H	R88D-KN04L-ML2/-KN08H-ML2	R88D-KN04L-ECT/-KN08H-ECT	R88D-KN04L-ECT-L/-KN08H-ECT-L	R88A-TK03K
R88D-KT10H/KT15H/ -KT06F/-KT10F/-KT15F	R88D-KN10H-ML2/-KN15H-ML2/ -KN06F-ML2/-KN10F-ML2/ -KN15F-ML2	R88D-KN10H-ECT/-KN15H-ECT/ -KN06F-ECT/-KN10F-ECT/ -KN15F-ECT	R88D-KN10H-ECT-L/-KN15H-ECT-L/ -KN06F-ECT-L/-KN10F-ECT-L/ -KN15F-ECT-L	R88A-TK04K

Note: Mounting brackets are provided with Servo Drives of 2 to 15 kW.

Software

How to Select Required Support Software for Your Controller

The required Support Software depends on the Controller to connect. Please check the following table when purchasing the Support Software.

Item	Omron PLC System	Omron Machine Automation Controller System
Controller	CS, CJ, CP, and other series	NJ-series
AC Servomotor/Drivers	 G5-series EtherCAT Communications EtherCAT Communications Linear Motor General-purpose input type(PulseTrain or Analog inputs) MECHATROLINK-II Communications 	 G5-series EtherCAT Communications (Unit version 2.1 or later recommended) EtherCAT Communications Linear Motor
Software	FA Intergrated Tool Package CX-One	Automation Software Sysmac Studio

■ FA Integrated Tool Package CX-One

Product name	Specifications	Number of licenses	Media	Model	Standards
FA Integrated Tool Package CX-One Ver. 4.⊡	 The CX-One is a comprehensive software package that integrates Support Software for OMRON PLCs and components. CX-One runs on following OS. OS: Windows XP (Service Pack 3 or higher, 32-bit version) / Windows Vista (32-bit/64-bit version) / Windows 7 (32-bit/64-bit version) / Windows 8.1 (32-bit/64-bit version) / Windows 10 (32-bit/64-bit version) CX-One Version.4.□ includes CX-Drive Ver.2.□, For details, refer to the CX-One catalog (Cat. No. R134). 	1 license *	DVD	CXONE-AL01D-V4	_

* Multi licenses (3, 10, 30, or 50 licenses) and DVD media without licenses are also available for the CX-One.

■ Automation Software Sysmac Studio

Please purchase a DVD and required number of licenses the first time you purchase the Sysmac Studio. DVDs and licenses are available individually. Each model of licenses does not include any DVD.

Product name	Specifications	Number of licenses	Media	Model	Standards
	The Sysmac Studio is the software that provides an integrated environment for setting, programming, debugging and maintenance of machine automation controllers including the NJ/NX-series CPU Units, NY-	_ (Media only)	Sysmac Studio (32 bit) DVD	SYSMAC-SE200D	-
Sysmac Studio Standard Edition Ver.1.□□	series Industrial PC, EtherCAT Slave, and the HMI. Sysmac Studio runs on the following OS. Windows 7 (32-bit/64-bit version) / Windows 8 (32-bit/ 64-bit version) / Windows 8.1 (32-bit/64-bit version) / Windows 10 (32-bit/64-bit version) *1 The Sysmac Studio Standard Edition DVD includes	_ (Media only)	Sysmac Studio (64 bit) DVD	SYSMAC-SE200D-64	-
	Support Software to set up EtherNet/IP Units, DeviceNet slaves, Serial Communications Units, and Support Software for creating screens on HMIs (CX- Designer). For details, refer to your OMRON website.	1 license *2	_	SYSMAC-SE201L	-

*1. Model "SYSMAC-SE200D-64" runs on Windows 10 (64 bit).

*2. Multi licenses are available for the Sysmac Studio (3, 10, 30, or 50 licenses).

Combination table

AC Servo Drive and Servomotor Combinations (3,000 r/min, 2,000 r/min, 1,500r/min, 1,000 r/min)

<Cylinder Type> • 3,000-r/min servomotors

Power Supply		Servo Drive Model Num	bers	Servomotor Model Numbers		
Voltage	General-purpose Inputs	MECHATROLINK-II	EtherCAT	Output	With incremental encoder	With absolute encoder
	R88D-KTA5L	R88D-KNA5L-ML2	R88D-KNA5L-ECT	50 W	R88M-K05030H-	R88M-K05030T-
Single-phase	R88D-KT01L	R88D-KN01L-ML2	R88D-KN01L-ECT	100 W	R88M-K10030L-	R88M-K10030S-
100 to 120 VAC	R88D-KT02L	R88D-KN02L-ML2	R88D-KN02L-ECT	200 W	R88M-K20030L-	R88M-K20030S-
	R88D-KT04L	R88D-KN04L-ML2	R88D-KN04L-ECT	400 W	R88M-K40030L-	R88M-K40030S-
	R88D-KT01H *	R88D-KN01H-ML2 *	R88D-KN01H-ECT *	50 W	R88M-K05030H-🗆 🛠	R88M-K05030T-🗆 🛠
	R88D-KT01H	R88D-KN01H-ML2	R88D-KN01H-ECT	100 W	R88M-K10030H-	R88M-K10030T-
Single-phase/	R88D-KT02H	R88D-KN02H-ML2	R88D-KN02H-ECT	200 W	R88M-K20030H-	R88M-K20030T-
three-phase	R88D-KT04H	R88D-KN04H-ML2	R88D-KN04H-ECT	400 W	R88M-K40030H-	R88M-K40030T-
200 to 240 VAC	R88D-KT08H	R88D-KN08H-ML2	R88D-KN08H-ECT	750 W	R88M-K75030H-	R88M-K75030T-
	R88D-KT15H *	R88D-KN15H-ML2 *	R88D-KN15H-ECT *	1 kW	R88M-K1K030H-🗆 🛠	R88M-K1K030T-□ *
	R88D-KT15H	R88D-KN15H-ML2	R88D-KN15H-ECT	1.5 kW	R88M-K1K530H-	R88M-K1K530T-
	R88D-KT20H	R88D-KN20H-ML2	R88D-KN20H-ECT	2 kW	R88M-K2K030H-	R88M-K2K030T-
Three-phase	R88D-KT30H	R88D-KN30H-ML2	R88D-KN30H-ECT	3 kW	R88M-K3K030H-	R88M-K3K030T-
200 to 240 VAC	R88D-KT50H	R88D-KN50H-ML2	R88D-KN50H-ECT *	4 kW	R88M-K4K030H-	R88M-K4K030T-
	R88D-KT50H	R88D-KN50H-ML2	R88D-KN50H-ECT	5 kW	R88M-K5K030H-	R88M-K5K030T-
	R88D-KT10F	R88D-KN10F-ML2	R88D-KN10F-ECT *	750 W	R88M-K75030F-	R88M-K75030C-
	R88D-KT15F *	R88D-KN15F-ML2 *	R88D-KN15F-ECT *	1 kW	R88M-K1K030F-🗆 *	R88M-K1K030C-□ *
	R88D-KT15F	R88D-KN15F-ML2	R88D-KN15F-ECT	1.5 kW	R88M-K1K530F-	R88M-K1K530C-
Three-phase 400 to 480 VAC	R88D-KT20F	R88D-KN20F-ML2	R88D-KN20F-ECT	2 kW	R88M-K2K030F-	R88M-K2K030C-
	R88D-KT30F	R88D-KN30F-ML2	R88D-KN30F-ECT	3 kW	R88M-K3K030F-	R88M-K3K030C-
	R88D-KT50F	R88D-KN50F-ML2	R88D-KN50F-ECT *	4 kW	R88M-K4K030F-	R88M-K4K030C-
	R88D-KT50F	R88D-KN50F-ML2	R88D-KN50F-ECT	5 kW	R88M-K5K030F-	R88M-K5K030C-

● 1,500r/min, 2,000-r/min servomotors

Dewer Cumplu		Servo Drive Model Numbers			Servomotor Model	Numbers
Power Supply Voltage	General-purpose Inputs	MECHATROLINK-II	EtherCAT	Output	With incremental encoder	With absolute encoder
Single-phase/	R88D-KT10H	R88D-KN10H-ML2	R88D-KN10H-ECT	1 kW	R88M-K1K020H-	R88M-K1K020T-
three-phase 200 to 240 VAC	R88D-KT15H	R88D-KN15H-ML2	R88D-KN15H-ECT	1.5 kW	R88M-K1K520H-	R88M-K1K520T-
	R88D-KT20H	R88D-KN20H-ML2	R88D-KN20H-ECT	2 kW	R88M-K2K020H-	R88M-K2K020T-
	R88D-KT30H	R88D-KN30H-ML2	R88D-KN30H-ECT	3 kW	R88M-K3K020H-	R88M-K3K020T-
	R88D-KT50H *	R88D-KN50H-ML2 *	R88D-KN50H-ECT *	4 kW	R88M-K4K020H-🗆 🛠	R88M-K4K020T-🗆 *
Three-phase 200 to 240 VAC	R88D-KT50H	R88D-KN50H-ML2	R88D-KN50H-ECT	5 kW	R88M-K5K020H-	R88M-K5K020T-
200 10 240 VAC	R88D-KT75H	-	R88D-KN75H-ECT	7.5 kW	_	R88M-K7K515T-
	R88D-KT150H *	-	R88D-KN150H-ECT *	11 kW	-	R88M-K11K015T-🗆 *
	R88D-KT150H	-	R88D-KN150H-ECT	15 kW	-	R88M-K15K015T-
	R88D-KT06F	R88D-KN06F-ML2	R88D-KN06F-ECT*	400 W	R88M-K40020F-	R88M-K40020C-
	R88D-KT06F	R88D-KN06F-ML2	R88D-KN06F-ECT	600 W	R88M-K60020F-	R88M-K60020C-
	R88D-KT10F	R88D-KN10F-ML2	R88D-KN10F-ECT	1 kW	R88M-K1K020F-	R88M-K1K020C-
	R88D-KT15F	R88D-KN15F-ML2	R88D-KN15F-ECT	1.5 kW	R88M-K1K520F-	R88M-K1K520C-
	R88D-KT20F	R88D-KN20F-ML2	R88D-KN20F-ECT	2 kW	R88M-K2K020F-	R88M-K2K020C-
Three-phase 400 to 480 VAC	R88D-KT30F	R88D-KN30F-ML2	R88D-KN30F-ECT	3 kW	R88M-K3K020F-	R88M-K3K020C-
	R88D-KT50F *	R88D-KN50F-ML2 *	R88D-KN50F-ECT *	4 kW	R88M-K4K020F-🗆 🛠	R88M-K4K020C-🗆 *
-	R88D-KT50F	R88D-KN50F-ML2	R88D-KN50F-ECT	5 kW	R88M-K5K020F-	R88M-K5K020C-
	R88D-KT75F	-	R88D-KN75F-ECT	7.5 kW	-	RR88M-K7K515C-
	R88D-KT150F *	-	R88D-KN150F-ECT *	11 kW	-	R88M-K11K015C-🗆 *
	R88D-KT150F	-	R88D-KN150F-ECT	15 kW	-	R88M-K15K015C-

* Please use the Servo Drive and Servomotor in this combination although their capacity is not same.

● 1,000-r/min servomotors

Denne Ormela		Servo Drive Model Num	bers		Servomotor Model Numbers			
Power Supply Voltage	General-purpose Inputs	MECHATROLINK-II	EtherCAT	Output	With incremental encoder	With absolute encoder		
Single-phase/ three-phase 200 to 240 VAC	R88D-KT15H *	R88D-KN15H-ML2 *	R88D-KN15H-ECT *	900 W	R88M-K90010H-🗆 *	R88M-K90010T-🗆 *		
	R88D-KT30H *	R88D-KN30H-ML2 *	R88D-KN30H-ECT *	2 kW	R88M-K2K010H-🗆 🛠	R88M-K2K010T-🗆 *		
Three-phase	R88D-KT50H *	R88D-KN50H-ML2 *	R88D-KN50H-ECT *	3 kW	R88M-K3K010H-🗆 🛠	R88M-K3K010T-🗆 *		
200 to 240 VAC	R88D-KT50H *	_	R88D-KN50H-ECT *	4.5 kW	_	R88M-K4K510T-🗆 *		
	R88D-KT75H *	-	R88D-KN75H-ECT *	6 kW	-	R88M-K6K010T-🗆 *		
	R88D-KT15F *	R88D-KN15F-ML2 *	R88D-KN15F-ECT *	900 W	R88M-K90010F-🗆 *	R88M-K90010C-🗆 *		
	R88D-KT30F *	R88D-KN30F-ML2 *	R88D-KN30F-ECT *	2 kW	R88M-K2K010F-🗆 *	R88M-K2K010C-🗆 *		
Three-phase 400 to 480 VAC	R88D-KT50F *	R88D-KN50F-ML2 *	R88D-KN50F-ECT *	3 kW	R88M-K3K010F-🗆 *	R88M-K3K010C-🗆 *		
	R88D-KT50F *	_	R88D-KN50F-ECT *	4.5 kW	_	R88M-K4K510C-🗆 *		
	R88D-KT75F *	_	R88D-KN75F-ECT *	6 kW	_	R88M-K6K010C-🗆 *		

* Please use the Servo Drive and Servomotor in this combination although their capacity is not same.

AC Servomotor and Decelerator Combinations (3,000 r/min, 2,000 r/min, 1,000 r/min)

<Cylinder Type> • 3,000-r/min servomotors

Motor model	1/5	1/11 (1/9 for flange size No.11)	1/21	1/33	1/45
R88M-K05030	R88G-HPG11B05100B	R88G-HPG11B09050B G-HPG11B05100B (Gear ratio 1/9) R88G-HPG14A21100B	R88G-HPG14A21100B	R88G-HPG14A33050B	R88G-HPG14A45050B
R88M-K10030		R88G-HPG14A11100B		R88G-HPG20A33100B	R88G-HPG20A45100B
R88M-K20030	R88G-HPG14A05200B	R88G-HPG14A11200B	R88G-HPG20A21200B	R88G-HPG20A33200B	R88G-HPG20A45200B
R88M-K40030	R88G-HPG14A05400B	R88G-HPG20A11400B	R88G-HPG20A21400B	R88G-HPG32A33400B	R88G-HPG32A45400B
R88M-K75030H/T (200 V)	R88G-HPG20A05750B	R88G-HPG20A11750B	R88G-HPG32A21750B	R88G-HPG32A33750B	R88G-HPG32A45750B
R88M-K75030F/C (400 V)		R88G-HPG32A112K0B	R88G-HPG32A211K5B	R88G- HPG32A33600SB (Also used with R88M- K60020	R88G-HPG50A451K5B
R88M-K1K030					
R88M-K1K530				R88G-HPG50A332K0B	
R88M-K2K030			R88G-HPG50A212K0B		-
R88M-K3K030	R88G-HPG32A053K0B	R88G-HPG50A113K0B	R88G-HPG50A213K0B	-	-
R88M-K4K030	R88G-HPG32A054K0B		-	-	-
R88M-K5K030	R88G-HPG50A055K0B	R88G-HPG50A115K0B	-	-	-

• 2,000-r/min servomotors

Motor model	1/5	1/11	1/21 (1/20 for flange size No.65)	1/33 (1/25 for flange size No.65)	1/45
R88M-K40020 (Only 400 V)	R88G-HPG32A052K0B	R88G-HPG32A112K0B (Also used with R88M-	R88G-HPG32A211K5B (Also used with R88M-	R88G-	R88G- HPG32A45400SB□
R88M-K60020 (Only 400 V)	K2K030	(Also used with Room- K2K030 ^[])	K1K5030	HPG32A33600SB	R88G-HPG50A451K5B (R88M-K1K530)
R88M-K1K020	R88G-HPG32A053K0B	B88G-	R88G- HPG32A211K0SB□	R88G- HPG50A332K0SB⊡	R88G- HPG50A451K0SB
R88M-K1K520	(Also used with R88M-	HPG32A112K0SB	R88G-HPG50A213K0B		-
R88M-K2K020	− K3K030□)		(Also used with R88M- K3K030⊡)		-
R88M-K3K020	R88G-HPG32A054K0B (Also used with R88M- K4K030	R88G-HPG50A115K0B (Also used with R88M- K5K030	R88G- HPG50A213K0SB□	R88G- HPG65A253K0SB□	-
R88M-K4K020	R88G-	R88G-	R88G-	R88G-	-
R88M-K5K020	HPG50A055K0SB	HPG50A115K0SB	HPG65A205K0SB	HPG65A255K0SB	-

● 1,000-r/min servomotors

Motor model	1/5	1/11	1/21 (1/20 for flange size No.65)	1/33 (1/25 for flange size No.65)
R88M-K90010	R88G-HPG32A05900TB	R88G-HPG32A11900TB	R88G-HPG50A21900TB	R88G-HPG50A33900TB
R88M-K2K010	R88G-HPG32A052K0TB	R88G-HPG50A112K0TB	R88G-HPG50A212K0TB	B88G-HPG65A255K0SB
R88M-K3K010	R88G-HPG50A055K0SB (Also used with R88M- K5K020	R88G-HPG50A115K0SB (Also used with R88M- K5K020□)	R88G-HPG65A205K0SB (Also used with R88M- K5K020□)	(Also used with R88M- K5K020□)

Linear Motor and AC Servo Drive Linear Motor Type Combinations

Iron-core Linear Motor type

Linear Motor Model Numbers	Power Supply Voltage (V)	Servo Drive Model Numbers	Maximum speed (m/s)
	100	R88D-KN01L-ECT-L	2.5
R88L-EC-FW-0303-ANPC	200	R88D-KN02H-ECT-L	5
	400	R88D-KN06F-ECT-L	10
	100	R88D-KN02L-ECT-L	2.5
R88L-EC-FW-0306-ANPC	200	R88D-KN04H-ECT-L	5
	400	R88D-KN10F-ECT-L	10
	100	R88D-KN04L-ECT-L	2
R88L-EC-FW-0606-ANPC	200	R88D-KN08H-ECT-L	4
	400	R88D-KN15F-ECT-L	8
R88L-EC-FW-0609-ANPC	200	R88D-KN10H-ECT-L	4
ROOL-EC-FW-0009-ANFC	400	R88D-KN20F-ECT-L	8
R88L-EC-FW-0612-ANPC	200	R88D-KN15H-ECT-L	4
RODE-LC-I W-0012-ANFC	400	R88D-KN30F-ECT-L	8
R88L-EC-FW-1112-ANPC	200	R88D-KN15H-ECT-L	2
R88L-EC-FW-TTIZ-ANFC	400	R88D-KN30F-ECT-L	4
R88L-EC-FW-1115-ANPC	200	R88D-KN15H-ECT-L	2
NOOL-LO-FW-TITO-ANFO	400	R88D-KN30F-ECT-L	4

Ironless Linear Motor type

Linear Motor Model Numbers	Power Supply Voltage (V)	Servo Drive Model Numbers	Maximum speed (m/s)
R88L-EC-GW-0303-ANPS	100	R88D-KN01L-ECT-L	8
N00L-EC-GW-0303-ANF3	200	R88D-KN02H-ECT-L	16
R88L-EC-GW-0306-ANPS	100	R88D-KN04L-ECT-L	8
N00L-EC-GW-0300-ANF3	200	R88D-KN08H-ECT-L	16
R88L-EC-GW-0309-ANPS	200	R88D-KN10H-ECT-L	16
R88L-EC-GW-0503-ANPS	100	R88D-KN01L-ECT-L	2.2
R88L-EC-GW-0503-ANPS	200	R88D-KN01H-ECT-L	4.4
R88L-EC-GW-0506-ANPS	100	R88D-KN02L-ECT-L	2.2
R88L-EC-GW-0506-ANPS	200	R88D-KN04H-ECT-L	4.4
R88L-EC-GW-0509-ANPS	100	R88D-KN04L-ECT-L	2.2
R88L-EC-GW-0509-ANPS	200	R88D-KN08H-ECT-L	4.4
R88L-EC-GW-0703-ANPS	100	R88D-KN02L-ECT-L	1.2
Rool-EC-GW-0703-ANFS	200	R88D-KN04H-ECT-L	2.4
R88L-EC-GW-0706-ANPS	100	R88D-KN04L-ECT-L	1.2
NOOL-EC-GW-U/UD-ANFS	200	R88D-KN08H-ECT-L	2.4
R88L-EC-GW-0709-ANPS	200	R88D-KN10H-ECT-L	2.4

Note: The maximum operation speed is limited by considering the guide mechanism, encoder, and other aspects. If it is 5 m/s or higher, please consult with your OMRON representative.

Controller Combinations

• Position Control unit ,Servo Relay Units and Cables

Select the Servo Relay Unit and Cable according to the model number of the Position Control Unit being used.

osition Control Unit	Positi	on Control Unit Cable	Se	ervo Relay Unit	Servo Drive Cable	
CS1W-NC113		XW2Z-□□□J-A6	, v	W2B-20J6-1B		
C200HW-NC113 *		XW2Z-LLLJ-A0	^	WZD-20J0-1D		
CS1W-NC213						
CS1W-NC413		XW2Z-□□□J-A7	~	W2B-40J6-2B		
C200HW-NC213 *		XWZZ-LLLJ-A7	^	VV2D-40J0-2D		
C200HW-NC413 *						
CS1W-NC133		XW2Z-□□□J-A10	X	W2B-20J6-1B		
CS1W-NC233		XW2Z-□□□J-A11	~	W2B-40J6-2B	XW2ZJ-B25	
CS1W-NC433		Λ₩ΖΖ- <u></u> J-ΑΤΤ	^	WZD-4030-2D		
CJ1W-NC113		XW2Z-🗆 🗆 J-A14	X	W2B-20J6-1B		
CJ1W-NC213		XW2Z-□□J-A15 XW2B-40J6-2B				
CJ1W-NC413	·	AVV2Z-LILIJ-A15	^	WZD-40J0-2D		
CJ1W-NC133		XW2Z-🗆 🗆 J-A18	X	W2B-20J6-1B		
CJ1W-NC233		XW2Z-□□□J-A19		W2B-40J6-2B		
CJ1W-NC433		Λ₩ZZ-LILIJ-A19	^	WZD-4030-ZD		
CJ2M-CPU31 CJ2M-CPU32 CJ2M-CPU33 CJ2M-CPU34 CJ2M-CPU35			For 1 axis	XW2B-20J6-8A		
CJ2M-CPU11 CJ2M-CPU12 CJ2M-CPU13 CJ2M-CPU14 CJ2M-CPU15		XW2Z-□□□J-A33		XW2B-40J6-9A	XW2Z-□□□J-B31	
FQM1-MMP22	General- purpose I/O	XW2Z-00J-A28			XW2Z-□□□J-B26	
	Special I/O	XW2Z-00J-A30				
FQM1-MMA22	General- purpose I/O	purpose I/O XW2ZJ-A28		W2B-80J7-12A	XW2Z-□□□J-B27	
	Special I/O					

* C200HW-NC was discontinued.

Note: 1. Insert the cable length into the boxes in the model number (
). Position Control Unit cables come in two lengths: 0.5 m and 1 m (some are also available in lengths of 2 m). Servo Driver Cables also come in two lengths: 1 m and 2 m.

2. Two Servo Driver Cables are required if 2-axis control is performed using one Position Control Unit.

3. Direct cable is available for CJ1W-NC 4 Position Control Unit (High-Speed type).

Specifications	The number of axes	Model
For CJ1W-NC214/-NC414 (open collector output type)	1 axis	XW2Z-DDJ-G13
For CJ1W-NC214/-NC414 (open collector output type)	2 axis	XW2Z-DDJ-G5
For CJ1W-NC234/-NC434 (line-driver output type)	1 axis	XW2Z-□□□J-G9
For CJ1W-NC234/-NC434 (line-driver output type)	2 axis	XW2Z-DDJ-G1

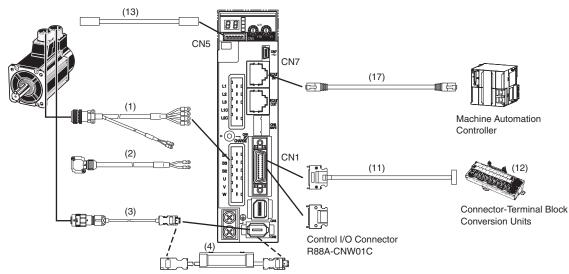
Motion Control Unit Cables

There are special cables for 1-axis and 2-axis Motion Control Unit operation. Select the appropriate cable for the number of axes to be connected.

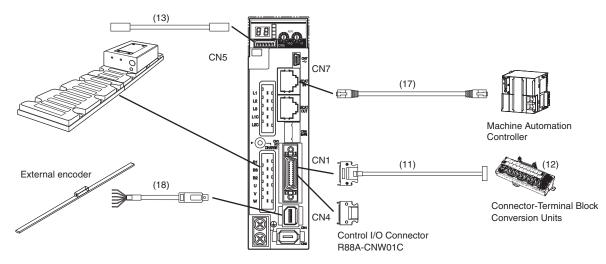
Motion Control Unit	it Cable		Remarks
CS1W-MC221-V1	For 1 axis	R88A-CPG	The $\Box\Box$ digits in the model number indicate the cable length. Motion Control Unit Cables come in four lengths: 1 m, 2 m, 3 m, and 5 m.
CS1W-MC421-V1	For 2 axis		Example model number for 2-m 1-axis cable: R88A-CPG002M1

Cable Combinations

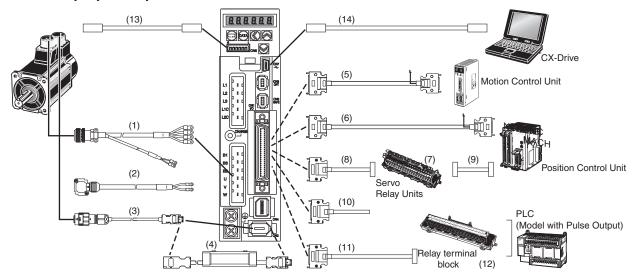
• EtherCAT Communications

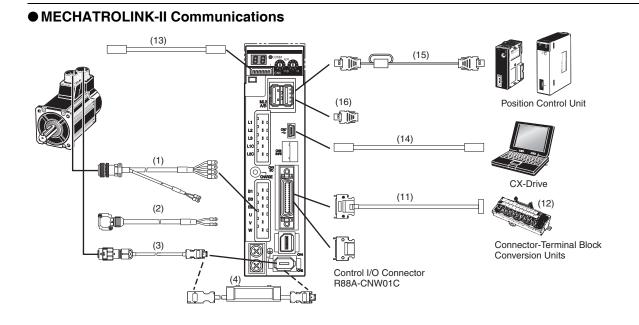


• EtherCAT Communications Linear Motor Type



• General-purpose Input





AC Servomotor/Drive G5-series

Servomotor Power Cables (For CNB)

Symbol			Name	Connected to	Model	Description	
				[100 V] [200 V] Cylindrical Servomotors, 3,000 r/min, 50 to 750 W	R88A-CAKA S The empty boxes in the model number are for the cable length. The cable can be 3, 5, 10, 15, 20, 30, 40, or 50 m long.	(50) L [Servomotor Connector] Angle plug: JN8FT04SJ1 (Japan Aviation Electronics Industry, Ltd.) ST-TMH-S-CIB-3500-A534G (Japan Aviation Electronics Industry, Ltd.)	
		Without Brakes	Standard Servomotor Power Cables for Servomotors without Brakes	[200 V] Cylindrical Servomotors, 3,000 r/min, 1 to 2 kW Cylindrical Servomotors, 2,000 r/min, 1 to 2 kW Cylindrical Servomotors, 1,000 r/min, 900 W [400 V] Cylindrical Servomotors, 3,000 r/min, 750 W to 2 kW Cylindrical Servomotors, 2,000 r/min, 400 W to 2 kW Cylindrical Servomotors, 1,000 r/min, 900 W	R88A-CAGB S The empty boxes in the model number are for the cable length. The cable can be 3, 5, 10, 15, 20, 30, 40, or 50 m long.	(70) L [Servomotor Connector] Straight plug: N/MS3106B20-4S (Japan Aviation Electronics Industry, Ltd.) N/MS3057-12A (Japan Aviation Electronics Industry, Ltd.)	
		>		[200 V] [400 V] [200 V] [400 V] Cylindrical Servomotors, 3,000 r/min, 3 to 5 kW Cylindrical Servomotors, 2,000 r/min, 3 to 5 kW Cylindrical Servomotors, 1,000 r/min, 2 to 4.5 kW	R88A-CAGD S The empty boxes in the model number are for the cable length. The cable can be 3, 5, 10, 15, 20, 30, 40, or 50 m long.	(70) L [Servomotor Connector] Straight plug: N/MS3106B22-22S (Japan Aviation Electronics Industry, Ltd.) N/MS3057-12A (Japan Aviation Electronics Industry, Ltd.)	
(1)	Non-flexible Cables			[200 V] [400 V] Cylindrical Servomotors, 1,500 r/min, 7.5 kW Cylindrical Servomotors, 1,000 r/min, 6 kW	R88A-CAGE S The empty boxes in the model number are for the cable length. The cable can be 3, 5, 10, 15, 20, 30, 40, or 50 m long.	L [Servomotor Connector] Straight plug: N/MS3106B32-17S (Japan Aviation Electronics Industry, Ltd.) (Japan Aviation Electronics Industry, Ltd.)	
	No				ors of 6 to 15 kW. When using	nd the brake on 100-V and 200-V, 3,000-r/min Servomotors of 50 to a Servomotor with a brake, two cables are required: a Power Cable	
						[200 V] Cylindrical Servomotors, 3,000 r/min, 1 to 2 kW Cylindrical Servomotors, 2,000 r/min, 1 to 2 kW Cylindrical Servomotors, 1,000 r/min, 900 W	R88A-CAGB B The empty boxes in the model number are for the cable length. The cable can be 3, 5, 10, 15, 20, 30, 40, or 50 m long.
		With Brakes	Standard Servomotor Power Cables for Servomotors with Brakes	[400 V] Cylindrical Servomotors, 3,000 r/min, 750W to 2 kW Cylindrical Servomotors, 2,000 r/min, 400 W to 2 kW Cylindrical Servomotors, 1,000 r/min, 900 W	R88A-CAKF B The empty boxes in the model number are for the cable length. The cable can be 3, 5, 10, 15, 20, 30, 40, or 50 m long.	(70). L Straight plug: NMS3106B24-11S (Japan Aviation Electronics Industry, Ltd.) Cable clamp: NMS3057-16A (Japan Aviation Electronics Industry, Ltd.)	
				[200 V] [400 V] Cylindrical Servomotors, 3,000 r/min, 3 to 5 kW Cylindrical Servomotors, 2,000 r/min, 3 to 5 kW Cylindrical Servomotors, 1,000 r/min, 2 to 3 kW	R88A-CAGD B The empty boxes in the model number are for the cable length. The cable can be 3, 5, 10, 15, 20, 30, 40, or 50 m long.	(70) L [Servomotor Connector] Straight plug: N/MS3106B24-11S (Japan Aviation Electronics Industry, Ltd.) Cable clamp: N/MS30657-16A (Japan Aviation Electronics Industry, Ltd.)	

Note: Insert the cable length into the boxes in the model number of cables. (3 m: 003, 5 m: 005, 10 m: 010)

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Symbol			Name	Connected to	Model	Description
				[100 V] [200 V] Cylindrical Servomotors, 3,000 r/min, 50 to 750 W	R88A-CAKA SR The empty boxes in the model number are for the cable length. The cable can be 3, 5, 10, 15, 20, 30, 40, or 50 m long.	(50) L [Servomotor Connector] Angle plug: JN8FT04SJ1 (Japan Aviation Electronics Industry, Ltd.) ST-TMH-S-C1B-3500-A534G (Japan Aviation Electronics Industry, Ltd.)
		Without Brakes	Robot Servomotor Power Cables for Servomotors without Brakes	[200 V] Cylindrical Servomotors, 3,000 r/min, 1 to 2 kW Cylindrical Servomotors, 2,000 r/min, 1 to 2 kW Cylindrical Servomotors, 1,000 r/min, 900 W [400 V] Cylindrical Servomotors, 3,000 r/min, 750 W to 2 kW Cylindrical Servomotors, 2,000 r/min, 400 W to 2 kW Cylindrical Servomotors, 1,000 r/min, 900 W	R88A-CAGB SR The empty boxes in the model number are for the cable length. The cable can be 3, 5, 10, 15, 20, 30, 40, or 50 m long.	(70) L [Servomotor Connector] Straight plug: NMS3106B20-4S (Japan Aviation Electronics Industry, Ltd.) RMS3057-12A (Japan Aviation Electronics Industry, Ltd.)
(1)	Flexible Cables			[200 V] [400 V] Cylindrical Servomotors, 3,000 r/min, 3 to 5 kW Cylindrical Servomotors, 2,000 r/min, 3 to 5 kW Cylindrical Servomotors, 1,000 r/min, 2 to 4.5 kW	R88A-CAGD SR The empty boxes in the model number are for the cable length. The cable can be 3, 5, 10, 15, 20, 30, 40, or 50 m long.	(70) L [Servomotor Connector] Straight plug: N/MS3106B22-22S (Japan Aviation Electronics Industry, Ltd.) Cable clamp: N/MS3057-12A (Japan Aviation Electronics Industry, Ltd.)
(1)	Flexible				rs of 6 to 15 kW. When using	nd the brake on 100-V and 200-V, 3,000-r/min Servomotors of 50 to a Servomotor with a brake, two cables are required: a Power Cable
				[200 V] Cylindrical Servomotors, 3,000 r/min, 1 to 2 kW Cylindrical Servomotors, 2,000 r/min, 1 to 2 kW Cylindrical Servomotors, 1,000 r/min, 900 W	R88A-CAGB BR The empty boxes in the model number are for the cable length. The cable can be 3, 5, 10, 15, 20, 30, 40, or 50 m long.	(70) L Straight plug: NMS3106B20-18S (Japan Aviation Electronics Industry, Ltd.)
		With Brakes	Robot Servomotor Power Cables for Servomotors with Brakes	[400 V] Cylindrical Servomotors, 3,000 r/min, 750W to 2 kW Cylindrical Servomotors, 2,000 r/min, 400 W to 2 kW Cylindrical Servomotors, 1,000 r/min, 900 W	R88A-CAKF BR The empty boxes in the model number are for the cable length. The cable can be 3, 5, 10, 15, 20, 30, 40, or 50 m long.	(70) Straight plug: N/MS3106B24-11S (Japan Aviation Electronics Industry, Ltd. N/MS3057-16A (Japan Aviation Electronics Industry, Ltd.
				[200 V] [400 V] Cylindrical Servomotors, 3,000 r/min, 3 to 5 kW Cylindrical Servomotors, 2,000 r/min, 3 to 5 kW Cylindrical Servomotors, 1,000 r/min, 2 to 3 kW	R88A-CAGD BR The empty boxes in the model number are for the cable length. The cable can be 3, 5, 10, 15, 20, 30, 40, or 50 m long.	70) L Straight plug: NMS3106B24-11S Agan Aviation Electronics Industry, Ltd. United Straight Plug: NMS3057-16A (Japan Aviation Electronics Industry, Ltd.)

Note: Insert the cable length into the boxes in the model number of cables. (3 m: 003, 5 m: 005, 10 m: 010)

Brake Cables

Symbol		Name	Connected to	Model	Description
	ole Cables	Brake Cables	[100 V] [200 V] Cylindrical Servomotors, 3,000 r/min, 50 to 750 W	R88A-CAKA⊡⊡B The empty boxes in the model number are for the cable length. The cable can be 3, 5, 10, 15, 20, 30, 40, or 50 m long. (3 to 20 m: 4.4 dia 30 to 50 m: 5.4 dia)	(50) L [Servomotor Connector] Angle plug: JNAFT02SJ1-R (Japan Aviation Electronics Industry, Ltd.) ST-TMH-S-C1B-3500-(A534G) (Japan Aviation Electronics Industry, Ltd.)
(2)	Non-flexible	(Non-flexible Cables)	[200 V] [400 V] Cylindrical Servomotors, 1,500 r/min, 7.5 to 15 kW 1,000 r/min, 6 kW	R88A-CAGE B The empty boxes in the model number are for the cable length. The cable can be 3, 5, 10, 15, 20, 30, 40, or 50 m long. (5.4 dia)	(70) L [Servomotor Connector] Angle plug: N/MS3106B14S-2S (Japan Aviation Electronics Industry, Ltd.) Connector pins: N/MS3057-6A (Japan Aviation Electronics Industry, Ltd.)
	Flexible Cables	Brake Cables (Flexible Cables)	[100 V] [200 V] Cylindrical Servomotors, 3,000 r/min, 50 to 750 W	R88A-CAKA□□□BR The empty boxes in the model number are for the cable length. The cable can be 3, 5, 10, 15, 20, 30, 40, or 50 m long. (3 to 20 m: 4.4 dia 30 to 50 m: 6.1 dia)	(70). L Servomotor Connector] Angle plug: JN4FT02SJ1-R (Japan Aviation Electronics Industry, Ltd.) ST-TMH-S-C1B-3500-(A534G) (Japan Aviation Electronics Industry, Ltd.)

Note: Insert the cable length into the boxes in the model number of cables. (3 m: 003, 5 m: 005, 10 m: 010)

AC Servomotor/Drive G5-series

Encoder Cables (for CN2)

Symbol		Name	Connected to	Model	Description
	Cables	Chanderd Facador	Cylindrical Servomotors, 3,000 r/min, 50 to 750 W (Absolute encoder/ Incremental encoder)	R88A-CRKA The empty boxes in the model number are for the cable length. The cable can be 3, 5, 10, 15, 20, 30, 40, or 50 m long. (3 to 20 m: 5.2 dia 30 to 50 m: 6.8 dia)	[Servo Drive Connector] Connector: 55100-0670 (Molex Japan Co., Ltd.)
	Non-flexible	Standard Encoder Cables with Connectors	Cylindrical Servomotors, 3,000 r/min, For 1 kW (200 V) For 750 W (400 V) Cylindrical Servomotors, 2,000 r/min, Cylindrical Servomotors, 1,000 r/min, (Absolute encoder/ Incremental encoder)	R88A-CRKC N The empty boxes in the model number are for the cable length. The cable can be 3, 5, 10, 15, 20, 30, 40, or 50 m long.	[Servo Drive Connector] Connector: 55100-0670 (Molex Japan Co., Ltd.) (Japan Aviation Electronics Industry, Ltd.) (Japan Aviation Electronics Industry, Ltd.)
(3)	Cables	Robot Encoder	Cylindrical Servomotors, 3,000 r/min, 50 to 750 W (Absolute encoder/ Incremental encoder)	R88A-CRKA The empty boxes in the model number are for the cable length. The cable can be 3, 5, 10, 15, 20, 30, 40, or 50 m long. (3 to 20 m: 5.2 dia 30 to 50 m: 6.8 dia)	[Servo Drive Connector] Connector: 55100-0670 (Molex Japan Co., Ltd.)
	Flexible	Cables with Connectors	Cylindrical Servomotors, 3,000 r/min, For 1 kW (200 V) For 750 W (400 V) Cylindrical Servomotors, 2,000 r/min, Cylindrical Servomotors, 1,000 r/min, (Absolute encoder/ Incremental encoder)	R88A-CRKC NR The empty boxes in the model number are for the cable length. The cable can be 3, 5, 10, 15, 20, 30, 40, or 50 m long. (3 to 20 m: 6.8 dia 30 to 50 m: 7.7 dia)	[Servo Drive Connector] Connector: (Molex Japan Co., Ltd.) (Molex Japan Co., Ltd.) (Molex Japan Co., Ltd.) (Japan Aviation Electronics Industry, Ltd.) (Japan Aviation Electronics Industry, Ltd.) (Japan Aviation Electronics Industry, Ltd.) (Japan Aviation Electronics Industry, Ltd.)

Note: Insert the cable length into the boxes in the model number of cables. (3 m: 003, 5 m: 005, 10 m: 010)

Absolute Encoder Backup Battery and Absolute Encoder Battery Cable

Symbol	Name	Specifications		Model	Description		
		Battery not included	0.3 m	R88A-CRGD0R3C	43.5 300 43.5 90±5 110		
(4)	Absolute Encoder Battery Cable	One R88A-BAT01G Battery 0.3 included.		R88A-CRGD0R3C-BS			
					Battery holder		
	Absolute Encoder Backup Battery	-		R88A-BAT01G	_		

Control Cables (for CN1)

Symbol		Name	Connected to		Model
(5)		Control Cables for Motion Control Units	Motion Control Units (for all SYSMAC CS1/C200H)	For 1 axis/ For 2 axis	R88A-CPG ☐ ☐ M The empty boxes in the model number are for the cable length. The cable can be 1, 2, 3, or 5 m long. The empty diamond in the model number is for the number of axes. One axis: 1, Two axes: 2
	Cables		Line-driver output type (High-speed type) for CJ1W-NC234/434	For 1 axis	XW2Z-DDJ-G9 The empty boxes in the model number are for the cable length. The cable can be 1, 5, or 10 m long.
	Control C	Direct connection cable	Line-driver output type (High-speed type) for CJ1W-NC234/434	For 2 axis	XW2Z-DDJ-G1 The empty boxes in the model number are for the cable length. The cable can be 1, 5, or 10 m long.
(6)		for Position Control Unit (High-speed type)	Open collector output type (High-speed type) for CJ1W-NC214/NC414	For 1 axis	XW2Z-DDJ-G13 The empty boxes in the model number are for the cable length. The cable can be 1, or 3 m long.
			Open collector output type (High-speed type) for CJ1W-NC214/NC414	For 2 axis	XW2Z-DDJ-G5 The empty boxes in the model number are for the cable length. The cable can be 1, or 3 m long.

Note: Use the following codes in a for the cable length: 0.5 m: 050, 1 m: 100, 2 m: 200, 3 m: 300, 5 m: 500, and 10 m:10M. However, for General-purpose Control Cables, use "001" for a 1-m cable.

AC Servomotor/Drive G5-series

Symbol		Na	me	Connected to		Model
				Position Control Unit: For CJ1W-NC113/NC133 For CS1W-NC113/NC133 (For C200HW-NC113 *)	For 1 axis	XW2B-20J6-1B
(7)		Servo Relay Units		Position Control Unit: For CJ1W-NC213/NC233/NC413/NC433 For CS1W-NC213/NC233/NC413/NC433 (For C200HW-NC213/NC413 *)	For 2 axis	XW2B-40J6-2B
				For CJ1M-CPU21/CPU22/CPU23	For 1 axis	XW2B-20J6-8A
					For 2 axis	XW2B-40J6-9A
				For FQM1-MMA22 (Analog output) For FQM1-MMP22 (Pulse train output)	For 2 axis	XW2B-80J7-12A
				Position Control Unit: For CJ1W-NC 3, CS1W/C200HW-NC * (XW2B-20J6-1B, XW2B-40J6-2B)		XW2Z- The empty boxes in the model number are for the cable length. The cable can be 1, or 2 m long.
(9)			Servo Relay Unit Cables for	For CJ1M-CPU21/CPU22/CPU23 (XW2B-20J6-8A, XW2B-40J6-9A)		XW2Z- J-B31 The empty boxes in the model number are for the cable length. The cable can be 1, or 2 m long.
(8)			Servo Drives	For FQM1-MMA22 (Analog output) (XW2B-80J7-12A)		XW2Z- The empty boxes in the model number are for the cable length. The cable can be 1, or 2 m long.
	ו Cables			For FQM1-MMP22 (Pulse train output) (XW2B-80J7-12A)		XW2Z- The empty boxes in the model number are for the cable length. The cable can be 1, or 2 m long.
	Relay Units/Connection			CJ1W line-driver output type for CJ1W-NC133	For 1 axis	XW2Z-□□J-A18 The empty boxes in the model number are for the cable length. The cable can be 0.5, or 1 m long.
	Relay Units			CJ1W line-driver output type for CJ1W-NC233/NC433	For 2 axis	XW2Z-□□□J-A19 The empty boxes in the model number are for the cable length. The cable can be 0.5, or 1 m long.
	Servo	Connection Cables		CS1W line-driver output type for CS1W-NC133	For 1 axis	XW2Z-□□□J-A10 The empty boxes in the model number are for the cable length. The cable can be 0.5, or 1 m long.
			Servo Relay Unit Cables for Position Control Units	CS1W line-driver output type for CS1W-NC233/NC433	For 2 axis	XW2Z-DJ-A11 The empty boxes in the model number are for the cable length. The cable can be 0.5, or 1 m long.
(9)				CJ1W open collector output type for CJ1W-NC113	For 1 axis	XW2Z-□□J-A14 The empty boxes in the model number are for the cable length. The cable can be 0.5, or 1 m long.
				CJ1W open collector output type for CJ1W-NC213/NC413	For 2 axis	XW2Z-□□J-A15 The empty boxes in the model number are for the cable length. The cable can be 0.5, or 1 m long.
				CS1W/C200HW open collector output type for CS1W-NC113 for C200HW-NC113 *	For 1 axis	XW2Z-□□J-A6 The empty boxes in the model number are for the cable length. The cable can be 0.5, or 1 m long.
				CS1W/C200HW open collector output type for CS1W-NC213/NC413 for C200HW-NC213/NC413 *	For 2 axis	XW2Z-UUJ-A7 The empty boxes in the model number are for the cable length. The cable can be 0.5, or 1 m long.
				CSW/C200HW open collector output type for CJ1M-CPU21/CPU22/CPU23	For 1 axis	XW2Z- J-A33 The empty boxes in the model number are for the cable length. The cable can be 0.5, or 1 m long.

* C200HW-NC was discontinued. Note: Use the following codes in $\Box\Box\Box$ for the cable length: 0.5 m: 050, 1 m: 100, 2 m: 200, 3 m: 300, 5 m: 500, and 10 m:10M.

AC Servomotor/Drive G5-series

Symbol		Nai	ne		Connected to		Model
	on Cables		Servo Relay Unit Cables for Position Control Units	For FQM1-MMA22 (Analog output) For FQM1-MMP22 (Pulse train output)	General-purpose I/O (26 pin)	For 2 axis	XW2Z- The empty boxes in the model number are for the cable length. The cable can be 0.5, 1, or 2 m long.
(9)	Relay Units/Connection	Connection Cables		For FQM1-MMA22 (Analog output)	Special I/O (40 pin)	For 2 axis	XW2Z-DDJ-A31 The empty boxes in the model number are for the cable length. The cable can be 0.5, 1, or 2 m long.
	Servo Relay Un			For FQM1-MMP22 (Pulse train output)	Special I/O (40 pin)	For 2 axis	XW2Z-DDJ-A30 The empty boxes in the model number are for the cable length. The cable can be 0.5, 1, or 2 m long.
(10)	General-purpose Control Cables with Connector on One End			Cables for General-purpose Controllers			R88A-CPG The empty boxes in the model number are for the cable length. The cable can be 0.5, or 1 m long.
(11)	Connector Terminal Block Cables			Cable for General-purpose Controllers			XW2Z- The empty boxes in the model number are for the cable length. The cable can be 1, or 2 m long.
(11)				Cable for MECHATROLINK-II Communications			XW2Z- The empty boxes in the model number are for the cable length. The cable can be 1, or 2 m long.
	Blo	ck		Ochie fen Ochiensk	M3 screws		XW2B-50G4
				Cable for General- purpose Controllers	M3.5 screws		XW2B-50G5
(12)			Connector- Terminal Block		M3 screws		XW2D-50G6
(.=)			Conversion Units	Cable for	M3 screws		XW2B-20G4
				MECHATROLINK-II Communications	M3.5 screws		XW2B-20G5
				Communications	M3 screws		XW2D-20G6

Note: Use the following codes in for the cable length: 0.5 m: 050, 1 m: 100, 2 m: 200, 3 m: 300, 5 m: 500, and 10 m:10M. However, for General-purpose Control Cables, use "001" for a 1-m cable.

Monitor Connector (for CN5)

Symbol	Name	Lengths	Model
(13)	Analog Monitor Cable	1 m	R88A-CMK001S

Communications Connector (for CN7)

Symbol	Name	Description
(14)	USB communications cable	General purpose USB cable can be used

Note: Use a commercially available USB cable that is shield, equipped with a ferrite core for noise immunity, and Supporting for USB2.0. The Mini B type USB cable can be used.

MECHATROLINK-II Communication Cable

Symbol	Name	Length (L)	Model (OMRON model number)	Yaskawa model number	Description
	MECHATROLINK-II	0.5m	FNY-W6002-A5	JEPMC-W6002-A5-E	(without ring core and USB connector on both ends)
	Communication Cable	1m	FNY-W6002-01	JEPMC-W6002-01-E	
	* Can be connected to R88D-GN and	3m	FNY-W6002-03	JEPMC-W6002-03-E	
	R88D-KN only.	5m	FNY-W6002-05	JEPMC-W6002-05-E	
		0.5m	FNY-W6003-A5	JEPMC-W6003-A5	
(15)	MECHATROLINK-II Communication Cable	1m	FNY-W6003-01	JEPMC-W6003-01	
		3m	FNY-W6003-03	JEPMC-W6003-03	(with ring core and USB connector on both ends)
		5m	FNY-W6003-05	JEPMC-W6003-05	<u>⊢ L</u>
Cable		10m	FNY-W6003-10	JEPMC-W6003-10	
		20m	FNY-W6003-20	JEPMC-W6003-20	Core
	30m	FNY-W6003-30	JEPMC-W6003-30		
(16)	MECHATROLINK-II Terminating resistance	_	FNY-W6022	JEPMC-W6022	

EtherCAT Communication Cable

Symbol	Name	Description
(17)	Ethernet Cable	 EtherCAT Communication Cables Use a category 5 or higher cable with double, aluminum tape and braided shielding. Connector (Modular Plug) Specifications Use a category 5 or higher, shielded connector.

External encoder Cables

Symbol	Name	Length (L)	Model	Description
				CN4 with Connectors
(18)	Serial Communications Cable	10m	R88A-CRKE010SR	

Connectors

Connectors	Name	Model
CN1	Control I/O Connector (General-purpose Input)	R88A-CNU11C
	Control I/O Connector (MECHATROLINK-II Communications) (EtherCAT Communications)	R88A-CNW01C
CN2	Encoder Connector	R88A-CNW01R
CN4	External scale connector	R88A-CNK41L
CN8	Safety connector	R88A-CNK81S

Servomotor Connector

Connectors	Name	Connected to	Model
_	Motor connector for encoder cable	3,000 r/min, 50 to 750 W	R88A-CNK02R
		3,000 r/min, 1 to 5 kW (200 V)/750 W to 5 kW (400 V) 2,000 r/min, 1,000 r/min	R88A-CNK04R
-	Power cable connector	750 W max. (100 V/200 V)	R88A-CNK11A
-	Brake cable connector	750 W max. (100 V/200 V)	R88A-CNK11B

Related Manuals

Please read the relevant manuals of G5-Series

English Cat. No.	Japanese Cat. No.	Туре	Name
1571	SBCE-357	R88D-KT/R88M-K	G5-SERIES AC SERVOMOTOR AND SERVO DRIVE USER'S MANUAL
1572	SBCE-358	R88D-KN□-ML2/R88M-K	G5-SERIES MECHATROLINK-II Communications AC SERVOMOTOR AND SERVO DRIVE USER'S MANUAL
1573	SBCE-360	R88D-KN□-ECT-R/R88M-K	G5-SERIES EtherCAT Communications for Position Control AC SERVOMOTOR AND SERVO DRIVE USER'S MANUAL
1576	SBCE-365	R88D-KN□-ECT/R88M-K	G5-SERIES EtherCAT Communications AC SERVOMOTOR AND SERVO DRIVE USER'S MANUAL
1577	SBCE-366	R88D-KN□-ECT-L/R88L-EC	G5-SERIES EtherCAT Communications Linear Motor Type LINEARMOTOR AND DRIVE USER'S MANUAL
W487	SBCE-359	CJ1W-NC 81/CJ1W-NC 82	CJ-series Position Control Unit Operation Manual
W446	SBCA-337	CXONE-AL D-V	CX-Programmer Operation Manual
W453	SBCE-375	CXONE-AL D-V	CX-Drive OPERATION MANUAL
W504	SBCA-470	SYSMAC-SE2	Sysmac Studio Version 1 Operation Manual

Terms and Conditions Agreement

Read and understand this catalog.

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