

AC Servomotors /Linear Motors /Servo Drives

G5 Series

NEW

The Preeminent Servo That Revolutionizes Motion Control



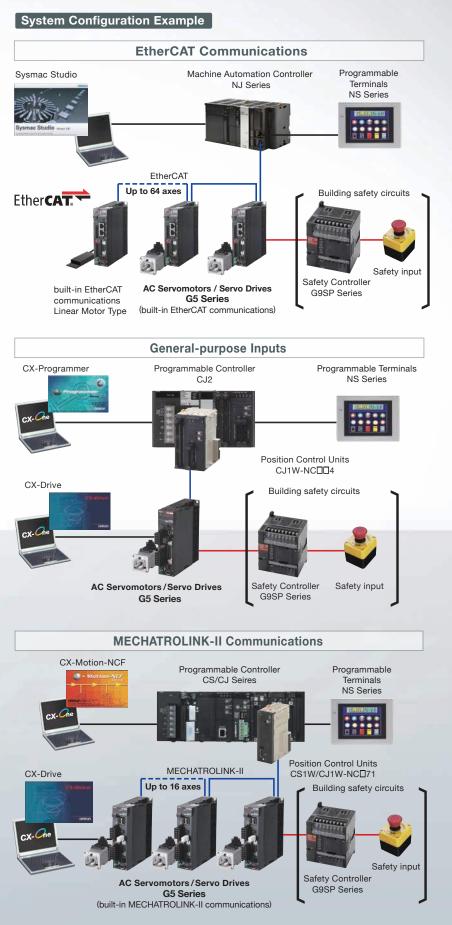
»High Speed and High Precision »International Safety Standards



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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the USA and other countries. EtherCAT® is a registered trademark of Beckhoff Automation

GmbH for their patented technology. Other company names and product names in this document are the trademarks or registered trademarks of their respective companies

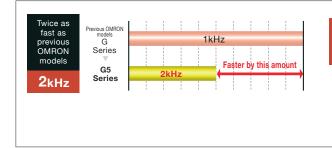
Provide Tact Time Improvement and Hig

Industry Top-class Tracking Performance

Speed Response Frequency of 2 kHz

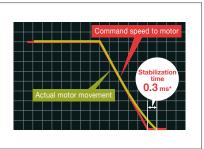
Industry V Top class

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.

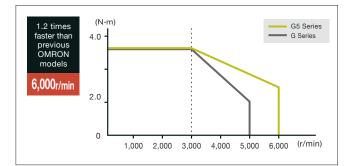
* Combination of R88D-KT01L Servo Drive and R88M-K10030L Servomotor. Example of actual measurements taken with gain adjusted by CX-Drive, with inertia ratio of x3 on ball screw mechanical system.



Reduced Tact Time with Higher Speed

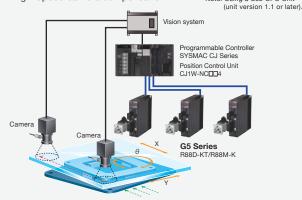
Maximum rotation speed : 6,000 r/min*

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

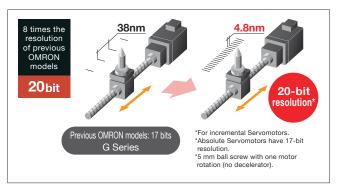
- High-Speed and, High-Precision Position Control Using Camera Compensation
- The pulse output startup time of 0.1 ms enables High-Speed camera compensation. Note: Using a CJ2 CPU Unit



Best Positioning Accuracy

Featuring a 20-bit high-resolution incremental encoder

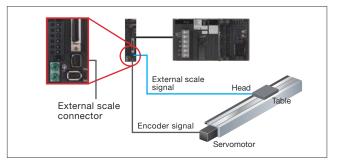
High-precision positioning can be achieved with the built-in encoder, 8 times the resolution of previous OMRON models at 20 bits.



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

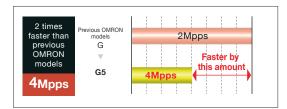
h Accuracy

Safety Motion Control That Provides Safety and Reliability

High-speed and High-precision Positioning

Pulse input response frequency: 4 Mpps

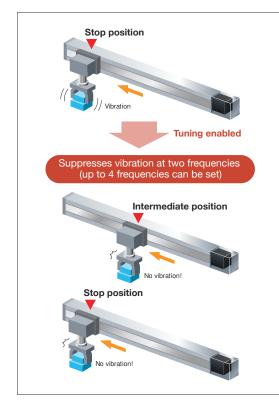
The Servo Drive response to command pulses is 4 Mpps, twice that of previous OMRON models. Response delays are thus reduced enabling high-speed and high-precision positioning.



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

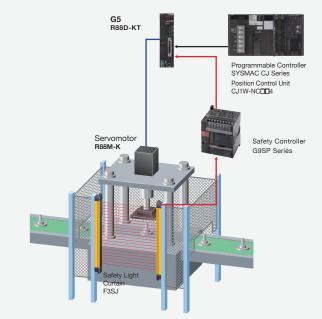
The G5 was the first to acquire international standard IEC 61800-5-2 (STO) for motion control in the industry within Japan. It also conforms to the European Directives ISO 13849-1(PLc,d) * and EN 61508 (SIL2). Safety control circuits can be constructed with the Servo Drive, delivering both safety and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

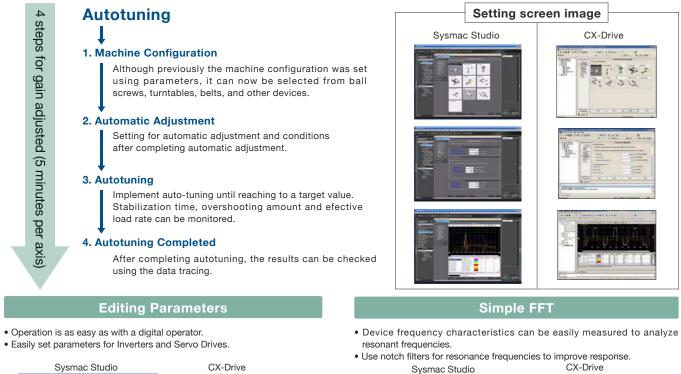
The required Support Software depends on the Controller to connect. Please check the following table when purchasing the Support Software.

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



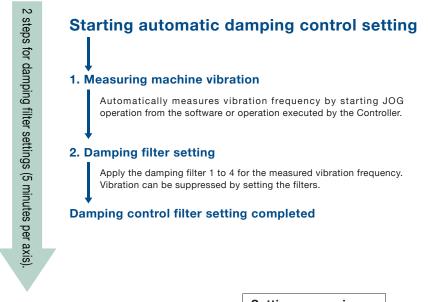


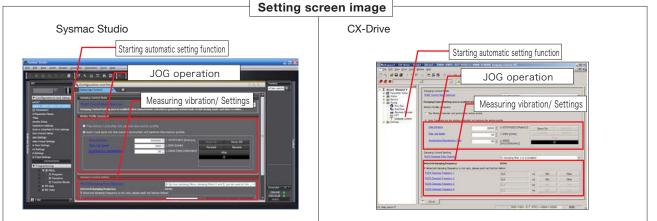


Automatic damping control setting

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.





Machine Automation Controller NJ-series and AC Servomotor/Drives G5-series with built-in EtherCAT Communications

Tool

Tool

Machine Automation
Controller
NJ Series

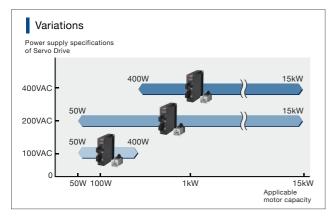
G5 Series
Servo Drives with
built-in EtherCAT
communications

Easy Adjustment and Reduce works to System Start-up

Globalization

Lineup of 400VAC Servomotors

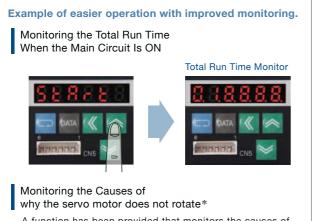
Servomotors are available for 100VAC, 200VAC, and 400VAC. And they conform to international safety standards for easy application anywhere worldwide.





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

And and and and and and

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.

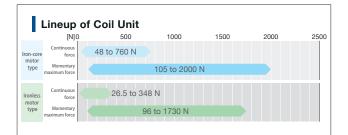
- * High-speed communication via EtherCAT communications at 100 Mbps * Autotuning for simple adjustment
- * Useful damping control function to improve device quality
- * Safety function STO (Safe Torque Off)



Selectable motors suitable for device

Iron-core motor type and ironless motor type

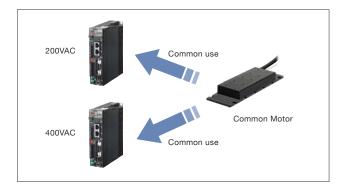
You can choose between compact and high-thrust iron-core motor type and cogging-free ironless motor type with excellent speed stability



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 Drive R88D-KN -ECT R88D-KN -ECT-L R88D-KT R88D-KN -ML2 B. E 100VAC ingle-phase ingle-phase Single-phas ingle-pha Single/ Three-phas Single/ Single/ 200VAC Three-phas 400VAC Three-pha Three-pha 53 N 58 N 96 N 117 N 48 N 160 N 175 N 50 W 400 W 100 W 100VAC Single-26.5 N 48 N 53 N phase Motor Single/ 117 N 175 N 400 W 200VAC 200 400 W 96 N 160 N 750 W 900 W 200 W Capacity/Force Three-phase Three 5 11 kW 15 kW 2 kW 6 kW 7.5 kW 7.5 kW 3 kW phase 750 W 1 kW 750 W 1 kW 400 W 900 W 900 W 1.5 kW 600 W Three 400VAC 608 N 48 N phase 7.5 kW 3 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 Speed Torque Speed Torque control beed Forque Control modes Control mode switching Tuning Vibration control <u>UTO</u> 32 UT(32 Autotuning tunctions Realtime autotuning Conforms to international fety safety standards Fully Fully closed Servo Drive **Torque limits**

ons Internal set speeds Refer to Ordering Information for details on combining Drives and Servomotors. *1. Two limits. *2. Two adaptive filters and two notch filters.

Functions

Encoder output



funct

ower supply

ECT: EtherCAT high-speed Servo communications motion network.

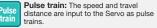
Position control: Control is applied to move to the target position and then stop at the target position.



Vibration is suppressed by automatically setting a filter for the vibration frequency. Adaptive filter: The machine load inertia is calculated in realtime and the result is used to automatically set the



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.



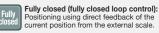
Speed control: Control is applied to peed ontrol change the linear or rotational speed. For example, speed control is used for applications such as turning grindstones, controlling welding speeds, and controlling feeding speeds.

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

Safety function: Conforms to IEC 61800-5-2 (STO), EN ISO 13849-1: 2008 (PLc,d), ISO13849-1: 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. ABS



1NC 20



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

900 1 1.5 W kW kW

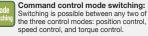
Torque control

750 W

750 W 900 W 1 kW

мі :

4 kW 5 kW





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

Motor Variations **G5 Series AC Servomotor G5 Series Linear Motor** Servomotors with EtherCAT Compatible, General-purpose inputs and MECHATROLINK-II Compatible Servomotors Servomotors with EtherCAT Compatible Linear motor Type R88L-EC-FW-R88L-EC-GW-R88M-K Cylinder type -Motor type **Rated speed** 1000r/min 2000r/min 3000r/min Motor type Iron-core Ironless ABS INC INC 20 Iron less 50W 26.5N ABS INC INC 20 100W 48N Iron core ABS INC lron less 200W 53N ABS INC ABS INC INC 20 1NC 20 lron less 400W 58N ABS INC INC 20 Iron 600W 80N ABS INC INC 20 750W Iron core 96N ABS 1NC 20 900W 117N Iron less ABS INC ABS INC INC 20 Iron core 1kW 160N Lenear ABS INC ABS INC INC 20 INC 20 1.5kW 175N Motor Force INC 20 ABS INC ABS INC INC 20 INC 20 capacity ABS Iron less 232N 2kW ABS INC 20 ABS INC INC 20 ABS INC INC 20 240N 3kW ABS INC INC 20 ABS INC INC 20 4kW 320N lron core ABS INC Iron less 4.5kW 348N ABS INC INC 20 ABS INC INC 20 ron core 5kW 608N ABS 760N 6kW ABS INC 7.5kW ABS 11kW ABS INC 15kW * The rated speed is 1,500 r/min

Functions

ABS

INC

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.



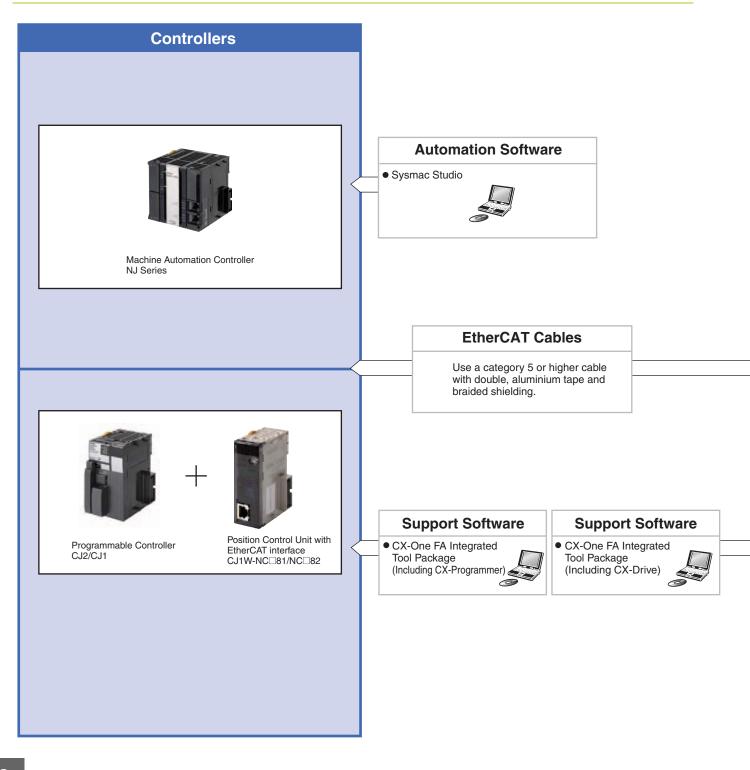
Incremental output: When the controller power supply is turned ON, operation is always started from the origin. A 20-bit resolution is provided on models with incremental outputs.

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

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 **R88M-K/R88D-KN**-ECT

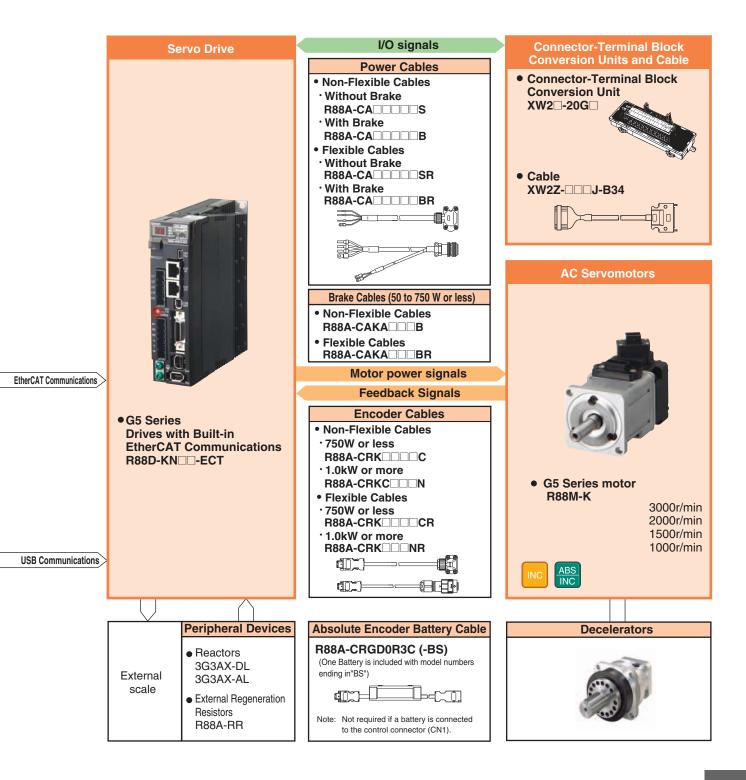
System Configuration



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.

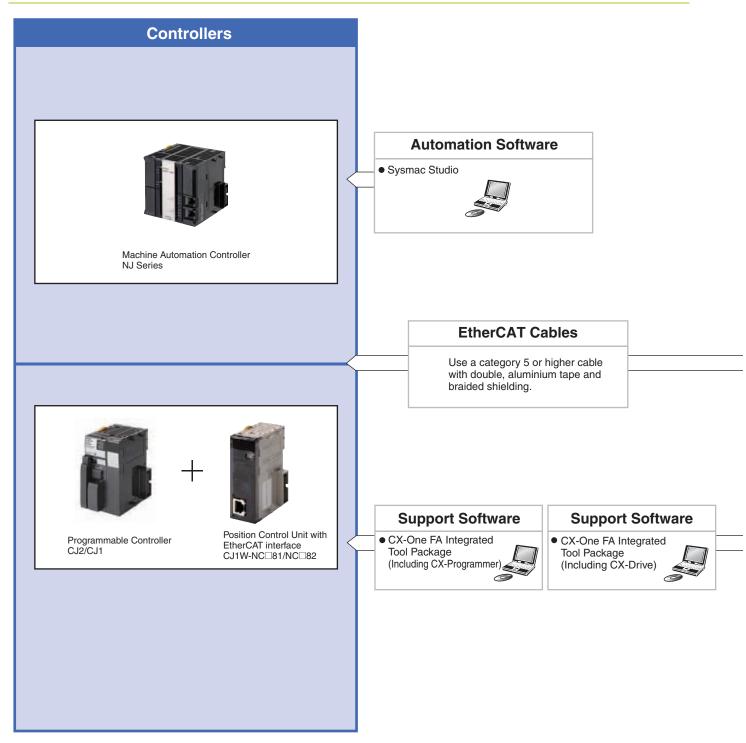




Communications Linear Motor Type

R88L-EC/R88D-KND-ECT-L

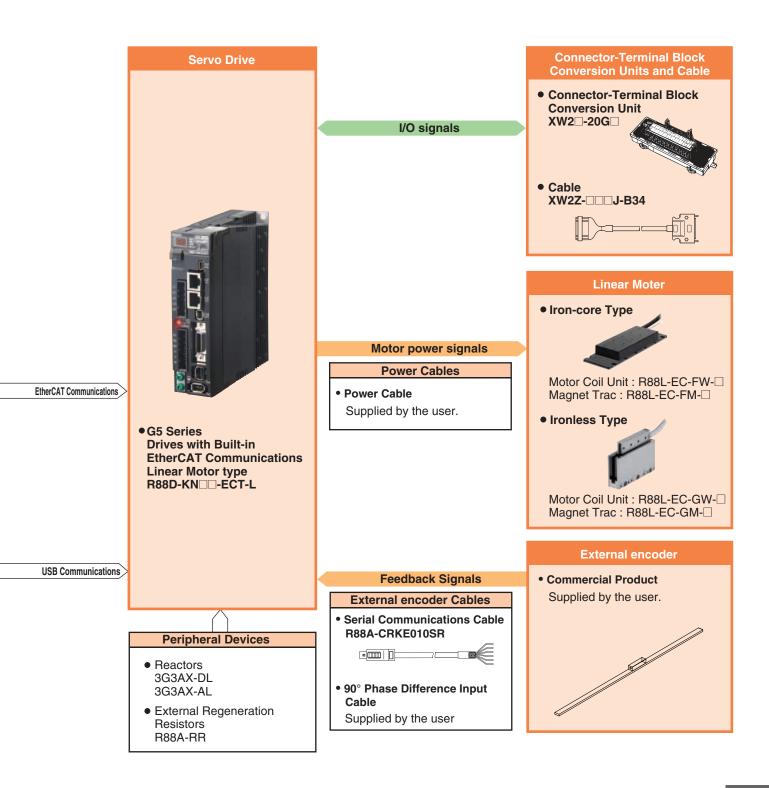
System Configuration



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.

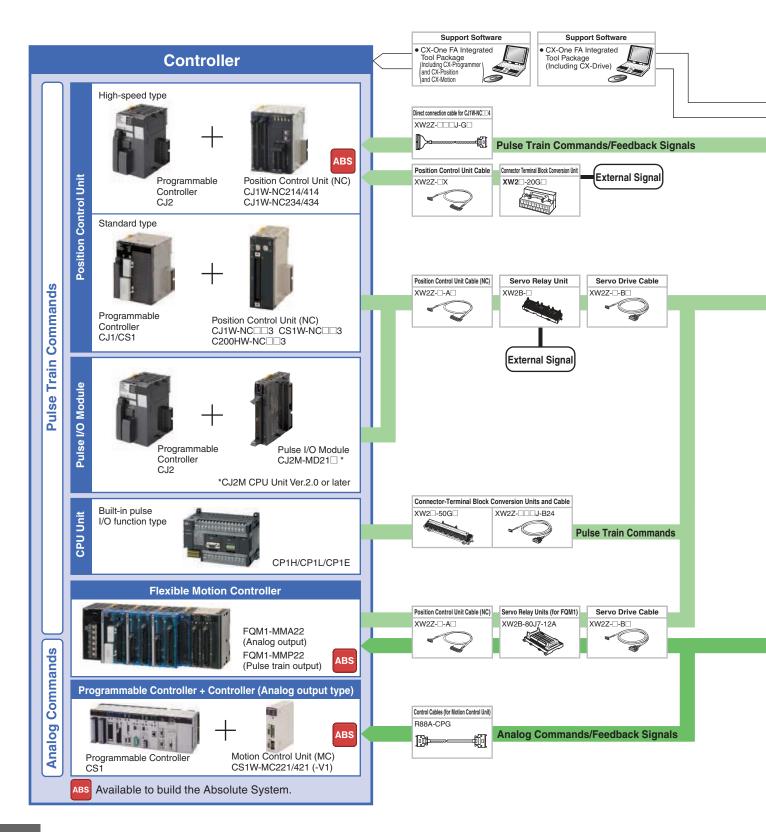




G5-series AC Servomotors/Servo Drives with General-purpose Pulse Train or Analog Inputs

R88M-K/R88D-KT

System Configuration

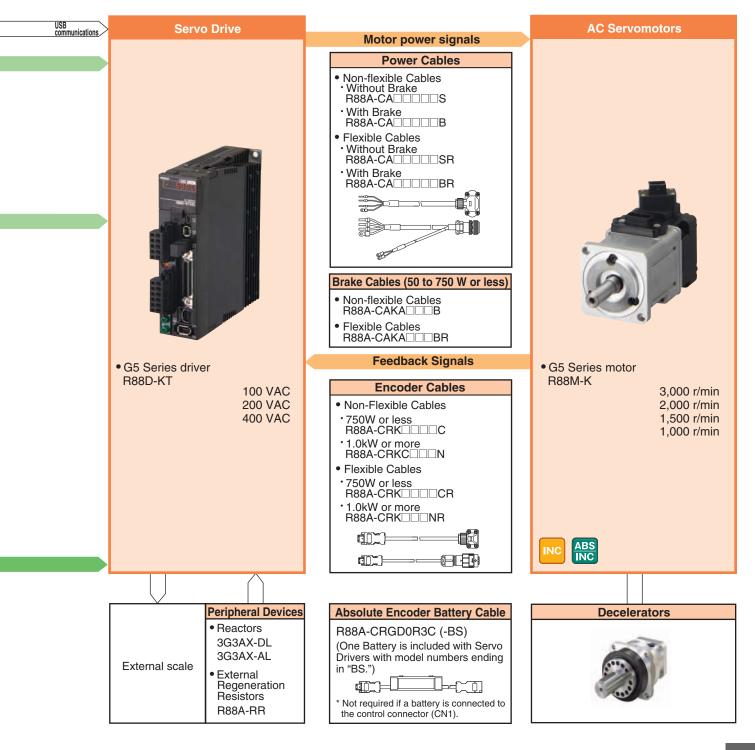


AC Servomotor/Drive G5-series

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.

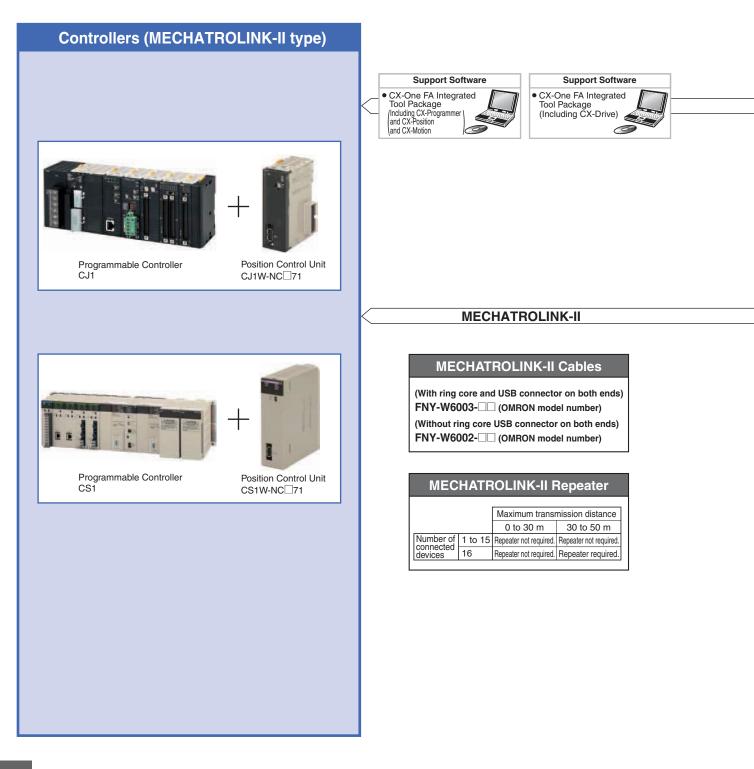




G5-series AC Servomotors/Servo Drives with Built-in MECHATROLINK-II Communications

R88M-K/R88D-KND-ML2

System Configuration



AC Servomotor/Drive G5-series

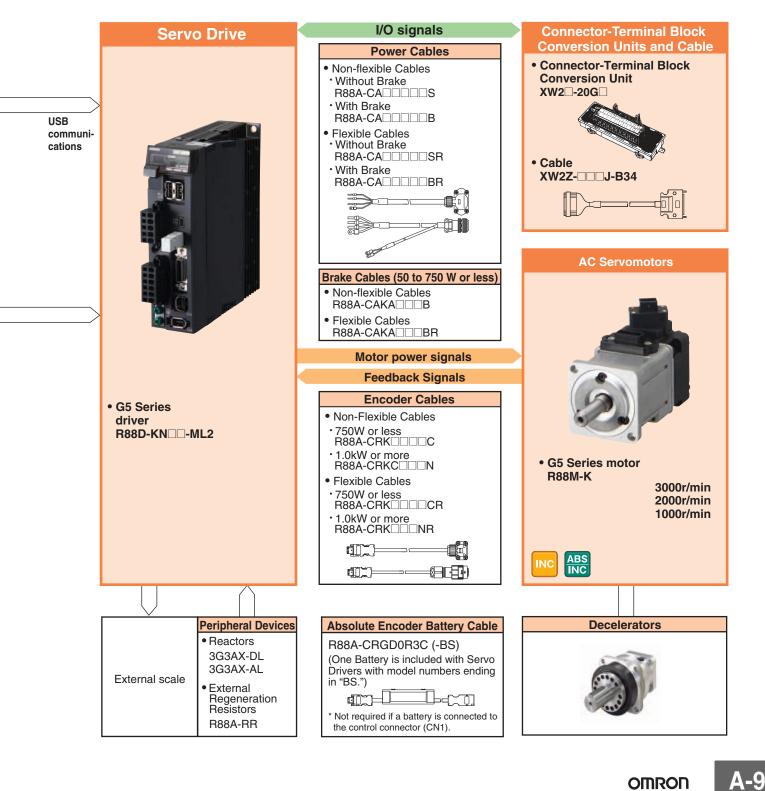
High-Speed and High-Precision G5 Series MECHATROLINK-II Communications with the Controller

• 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

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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 Mo ■ 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	omotor Variations	B-5
Ordering Information	ation	B-6
EtherC Linear Genera	vesB CAT Communications Motor with built-in EtherCAT communications al-purpose Inputs ATROLINK-II Communications	-6
Linear Motors Decelerators (Accessories a ■ Connecti (Non-f	ors	12 14
■ Cable/Co ■ Control C ●For Ge ■ Commun ●For ME	onnector	
■ Periphera (External ■ Support \$	Regeneration Resistors, Reactors, Mounting Brackets)	
Combination tab	bleE	3-25
 ■ AC Servo ■ Linear Mo ■ Controlle 	o Drive and Servomotor Combinations omotor and Decelerator Combinations otor and AC Servo Drive Linear Motor Type Combinations er Combinations ombinations	
Related Manuals	sE	3-37
As a Sysmac Device, th	he G5-series AC Servomotor/Servo Drive with Built-in EtherCAT Communica	tions

As a Systhac Device, the GS-series AC Servorholo//Servo Drive with Built-In Effect AT Communications 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 -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
(2)	Applicable Servomotor	10	1 kW
(3)		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-se	eries Servo Drive
(2)	Drive Type	Ν	Communication type
		01	100 W
	Maximum Applicable	02	200 W
		04	400 W
		06	600 W
(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
	tenage	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)		-	eries Servomotor
(0)	•• · -	Blank	Cylinder type
(2)	Motor 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
(3)	Servomotor	1K5	1.5 kW
(0)	Capacity	2K0	2 kW
		3K0	3 kW
		4K0	4 kW
		4K5	4.5 kW
		5K0	5 kW
		6K0	6 kW
	D Item) Motor Type) Servomotor Capacity) Rated Rotation Speed) Rated Rotation Speed) Applied Voltage	7K5	7.5 kW
		11K0	11 kW
		15K0	15 kW
		10	1,000 r/min
(4)		15	1,500 r/min
()	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)
(=)		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
(6)	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)

Linear Motor • Iron-core linear motor Motor Coil Unit

$\frac{\mathsf{R88L-EC}}{(1)} \xrightarrow[(2)]{} -\mathsf{FW} \xrightarrow[(3)]{} \frac{\mathsf{-03}}{(3)} \xrightarrow[(4)]{} \frac{\mathsf{-A}}{(5)} \xrightarrow[(6)]{} \frac{\mathsf{C}}{(7)}$

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

• Ironless linear motor Motor Coil Unit

$\frac{\mathsf{R88L-EC}}{(1)} \xrightarrow[(2)]{-GW} \xrightarrow[(3)]{-03} \xrightarrow[(4)]{03} \xrightarrow[(5)]{-A} \underset{(6)}{\mathsf{NP}} \xrightarrow[(7)]{S}$

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

Magnet Trac

 $\frac{\mathsf{R88L-EC}}{(1)} \xrightarrow{-\mathsf{GM}} \frac{-\mathsf{O3}}{(3)} \frac{\mathsf{O90}}{(4)} \xrightarrow{-\mathsf{A}}_{(5)}$

(4) (5) (1) 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 Version Ver.A (5) А

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

Backlash = 3' Max.

Item

No

B-4

OMRON

R88G-HPG 14A 05 100 S B J (4) (5) (6) (7) (2) (3) (1)

Specifications

Symbol

Backlash = 15' Max. **R88G-VRSF 09 B 100**

> No (1)

> > (2)

(3)

(4)

(5)

(6)

(7)

Capacity

Motor Type

Backlash

Option

400 750

Blank

С

J

400 W

750 W

3,000-r/min cylindrical servomotors

Backlash = 15' Max

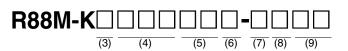
With key (without tap)

CJ

(1)		(2)	(3)	(4)	(5)	(6)	(7)					
Item	Symbol	Specifications										
G⊡-Se	De ries Servo	ecelera motors		ısh = 15	' Max.							
	05			1/5								
Gear Ratio	09	1/9										
Gear Rallo	15	1/15										
	25	1/25										
	В			□52	2							
Flange Size Number	С	□78										
Number	D	□98										
	050	50 W										
Applicable	100			100	W							
Servomotor	200			200	W							

		-	
(1)	G□-5		ecelerator for omotors Backlash = 3' Max.
		11B	□40
		14A	□60
$\langle 0 \rangle$	Flange Size	20A	□90
(2)	Number	32A	□120
		50A	□170
		65A	230
		05	1/5
		09	1/9 (only frame number 11B)
		11	1/11 (except frame number 65A)
		12	1/12 (only frame number 65A)
(3)	Gear Ratio	20	1/20 (only frame number 65A)
		21	1/21 (except frame number 65A)
		25	1/25 (only frame number 65A)
		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)	Mator Tura-	-	_
(5)	Motor Type	S	2,000-r/min cylindrical servomotors
		Т	1,000-r/min cylindrical servomotors
(6)	Backlash	В	Backlash = 3' Max
(7)	Ontion	Blank	Straight shaft
(7)	Option	J	With key and tap

Table of AC Servomotor Variations



(3)	(4)	(5)				((6)			(7	7)	(8)	(9)
					4	Applied	Voltag	е			orake /				
	Applicable		Model	INC	INC	INC	ABS	ABS	ABS	Without brake		Models oil se		Shaft	type
Туре	Servomotor	Rotation speed	incuci	400	200	100	400	200	100	-	в	0110	Juio		
	Capacity			F	н	L	с	т	S	Blank	With brake	Blank	ο	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
	750 W		R88M-K75030	\checkmark	\checkmark		\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	
Type	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	
	5 kW		R88M-K5K030	\checkmark	\checkmark		\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
	400 W	-	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	2,000 r/min	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
Cylinder	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
	11 kW		R88M-K11K015 *2				\checkmark	\checkmark		\checkmark	\checkmark	\checkmark	\checkmark		\checkmark
	15 kW		R88M-K15K015 *2				\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	\checkmark
	6 kW		R88M-K6K010				\checkmark	\checkmark		\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	nental er nental er nental er ute enco ute enco ute enco	ncoder) ncoder) der) AE der) AB	INC INC S/INC S/INC	Blank: Withou brake B: 24 VD With b	C	Blank: Withou seals O: With seals		Blank: Straigh S2: With ke tap	

S: 100 VAC (with absolute encoder) **ASSI *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

Specifications		
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 200 VAC	750 W	R88D-KN08H-ECT
	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 1740	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 VÁC	3 kW	R88D-KN30F-ECT
	5 kW	R88D-KN50F-ECT
	7.5 kW	R88D-KN75F-ECT
	15 kW	R88D-KN150F-ECT

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

Specifications		
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
	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
200 1740	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

Specifications		
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
Single- phase/three-	100 W	R88D-KN01H-ECT-L
	200 W	R88D-KN02H-ECT-L
	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

Specifications		
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- phase/three- phase 200 VAC	200 W	R88D-KN02H-ML2
	400 W	R88D-KN04H-ML2
	750 W	R88D-KN08H-ML2
	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 17.0	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

AC Servomotors

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

_

Rotatio	on speed Enco	der Option	
_	ING	C Without key	
3,000	D r/min ABS/	INC With key	
		_	
			Model
	Specifications		With incremental encoder
			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
tbra		1.5 kW	R88M-K1K530H-S2
inor		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
		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
ake	200 V	1 kW	R88M-K1K030H-BS2
With brake		1.5 kW	R88M-K1K530H-BS2
With		2 kW	R88M-K2K030H-BS2 R88M-K3K030H-BS2
-		3 kW	
		4 kW 5 kW	R88M-K4K030H-BS2 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
	400 V	2 kW 3 kW	R88M-K3K030F-BS2
		3 kW 4 kW	R88M-K4K030F-BS2
		5 kW	R88M-K5K030F-BS2
Nete	to. Modele wi		noom-NSKUSUF-BS2

			-		-	-			
Note	: Models	with	oil seals	s are	also	avai	lab	le	

Rotation speed	Encoder	Option
2.000 r/min	INC	Without key
3,000 r/min	ABS/INC	With key

Specifications With incremental encoder Voltage Rated output Straight shaft without key 100 V Rated output Without oil seals 100 V R88M-K10030L 200 W R88M-K10030L 200 W R88M-K10030L 200 W R88M-K10030L 200 W R88M-K10030L 200 W R88M-K10030H 200 W R88M-K10030H 200 W R88M-K10030H 200 W R88M-K10030H 200 W R88M-K1K030H 200 W R88M-K1K030H 200 W R88M-K1K030H 21 KW R88M-K1K030H 21 KW R88M-K1K030F 3 KW R88M-K1K030F 3 KW R88M-K1K030F 4 KW R88M-K1K030F 5 KW R88M-K1K030F 5 KW R88M-K1K030F-B	Specifications			Model	
VoltageRated outputWithout oil seals100 V50 WR88M-K05030H100 V100 WR88M-K10030L200 WR88M-K10030L400 WR88M-K05030H100 V888M-K05030H200 V888M-K05030H200 WR88M-K10030H200 WR88M-K10030H200 WR88M-K10030H200 WR88M-K10030H200 WR88M-K10030H200 V1kW88M-K10030H200 V1kW88M-K10030H200 V1kW88M-K10030H200 V1kW88M-K10030H200 V1kW88M-K1K500H200 V1kW88M-K1K500F200 V1kW88M-K1K500F200 V2kW88M-K20030F100 V2kW88M-K20030F4kWR88M-K20030F4kWR88M-K20030F4kWR88M-K20030F3kWR88M-K20030F4kWR88M-K20030F3kWR88M-K0030F50 WR88M-K0030F200 VR88M-K20030L-B200 VR88M-K20030L-B200 VR88M-K20030F400 WR88M-K10030F100 WR88M-K20030F200 VR88M-K20030F3kWR88M-K20030F400 WR88M-K20030F3kWR88M-K20030F3kWR88M-K20030F3kWR88M-K20030F3kWR88M-K20030F200 VR88M-K20030F3kW			ions	With incremental encoder	
VoltageoutputWithout oil sears100 V50 WR88M-K05030H200 WR88M-K10030L200 WR88M-K20030L400 WR88M-K40030L50 WR88M-K40030H200 VR88M-K10030H200 WR88M-K10030H200 WR88M-K10030H200 WR88M-K10030H200 WR88M-K10030H200 WR88M-K20030H400 WR88M-K20030H400 WR88M-K20030H200 V1 kW750 WR88M-K1K500H3 kWR88M-K1K500H3 kWR88M-K3K030F400 V2 kW750 WR88M-K1K500F3 kWR88M-K1K500F1.5 kWR88M-K1K500F3 kWR88M-K1K030F4 kWR88M-K1K030F100 V888M-K05030H-B200 WR88M-K05030H-B200 WR88M-K20030L-B400 WR88M-K20030L-B200 WR88M-K20030L-B200 WR88M-K20030L-B400 WR88M-K10030L-B200 WR88M-K20030L-B400 WR88M-K20030L-B200 WR88M-K20030L-B200 WR88M-K20030L-B200 WR88M-K20030L-B3 kWR88M-K20030L-B3 kWR88M-K2003H-B3 kWR88M-K2003H-B3 kWR88M-K2003H-B3 kWR88M-K2003H-B3 kWR88M-K2003H-B3 kWR88M-K2003H-B3 kWR88M-K2003H-B3 kWR88M-K2003H-B3 kW <t< th=""><th></th><th colspan="2"></th><th>Straight shaft without key</th></t<>				Straight shaft without key	
100 V100 WR88M-K10030L200 WR88M-K20030L400 WR88M-K40030L400 WR88M-K05030H100 WR88M-K10030H200 VR88M-K20030H400 WR88M-K10030H200 VR88M-K10030H200 R88M-K1030F1 kWR88M-K1030F1 kWR88M-K1030F2 kWR88M-K2003F3 kWR88M-K3K030F1 kWR88M-K5K030F3 kWR88M-K5K030F3 kWR88M-K5K030F3 kWR88M-K10030L-B200 VR88M-K10030L-B200 VR88M-K0030H-B100 VR88M-K10030L-B200 VR88M-K10030L-B200 VR88M-K10030H-B200 VR88M-K10030H-B200 VR88M-K10030H-B200 VR88M-K10030H-B200 VR88M-K10030H-B200 VR88M-K10030H-B200 VR88M-K10030H-B200 VR88M-K10030H-B200 VR88M-K10030H-B200 VR88M-K10030H-B200 VR88M-K10030H-B200 VR88M-K10030H-B200 VR88M-K10030H-B200 V		Voltage		Without oil seals	
100 V200 WR88M-K20030L400 WR88M-K40030L50 WR88M-K40030H200 WR88M-K20030H400 WR88M-K20030H400 WR88M-K40030H200 VR88M-K10030H200 VR88M-K10030H200 VR88M-K10030H1 kWR88M-K1630H2 kWR88M-K1630H3 kWR88M-K3030H4 kWR88M-K3030H4 kWR88M-K3030H4 kWR88M-K3030H5 kWR88M-K3030H1 kWR88M-K3030H3 kWR88M-K3030F1 kWR88M-K3030F1 kWR88M-K3030F3 kWR88M-K3030F1 kWR88M-K3030F3 kWR88M-K3030F3 kWR88M-K3030F3 kWR88M-K1030F100 VS kW200 VR88M-K1030L-B200 WR88M-K1030L-B200 WR88M-K1030L-B200 WR88M-K1030L-B200 WR88M-K1030L-B200 WR88M-K1030L-B200 WR88M-K1030H-B200 WR88M-K1030H-B200 WR88M-K1030H-B200 WR88M-K1030H-B200 WR88M-K1030H-B200 WR88M-K1030H-B3 kWR88M-K1030H-B200 WR88M-K1030H-B3 kWR88M-K1030H-B3 kWR88M-K1030H-B3 kWR88M-K1630H-B3 kWR88M-K1630H-B3 kWR88M-K3630H-B3 kWR88M-K3630H-B3 kWR88M-K3					
Perform200 WR88M-K20030L400 WR88M-K40030L50 WR88M-K40030H100 WR88M-K10030H200 WR88M-K40030H400 WR88M-K40030H750 WR88M-K1K030H1 kWR88M-K1K530H2 kWR88M-K1K530H2 kWR88M-K3K030H4 kWR88M-K3K030H4 kWR88M-K1K530F5 kWR88M-K1K530F1 kWR88M-K1K530F400 V2 kW750 WR88M-K1K530F5 kWR88M-K1K530F5 kWR88M-K3K030F5 kWR88M-K3K030F5 kWR88M-K4K030F5 kWR88M-K5K030F5 kWR88M-K5K030F5 kWR88M-K5K030F5 kWR88M-K4030L-B100 VR88M-K20030L-B100 WR88M-K10030L-B200 WR88M-K10030L-B200 WR88M-K10030L-B200 WR88M-K10030L-B200 WR88M-K10030L-B200 WR88M-K10030L-B200 WR88M-K10030L-B200 WR88M-K10030L-B200 WR88M-K10030L-B200 WR88M-K10030L-B200 WR88M-K10030L-B200 WR88M-K10030L-B3 kWR88M-K1K030H-B200 WR88M-K1K030H-B200 WR88M-K1K030H-B3 kWR88M-K1K030H-B3 kWR88M-K1K030H-B3 kWR88M-K1K030H-B3 kWR88M-K1K030H-B3 kWR88M-K1K030H-B3 kWR88M-K1K		100 V			
9900 W50 WR88M-K05030H100 WR88M-K10030H200 WR88M-K20030H400 WR88M-K40030H750 WR88M-K40030H750 WR88M-K1K030H1.5 kWR88M-K1K030H2 kWR88M-K1K030H3 kWR88M-K4K030H4 kWR88M-K4K030H4 kWR88M-K4K030H5 kWR88M-K1K030F1 kWR88M-K1K030F1 kWR88M-K1K030F1 kWR88M-K1K030F1 kWR88M-K1K030F1 kWR88M-K1K030F1 kWR88M-K1K030F1 kWR88M-K1K030F1 kWR88M-K1K030F1 kWR88M-K1K030F3 kWR88M-K1030L-B100 VR88M-K1030L-B200 WR88M-K10030L-B200 WR88M-K10030L-B200 WR88M-K10030L-B200 WR88M-K10030L-B200 WR88M-K10030L-B200 WR88M-K10030L-B200 WR88M-K10030L-B200 WR88M-K10030L-B200 WR88M-K10030L-B200 WR88M-K10030H-B100 WR88M-K10030H-B200 WR88M-K1K030H-B200 WR88M-K1K030H-B200 WR88M-K1K030H-B200 WR88M-K1K030H-B3 kWR88M-K1K030H-B3 kWR88M-K1K030H-B3 kWR88M-K1K030H-B3 kWR88M-K1K030H-B3 kWR88M-K1K030H-B3 kWR88M-K1K030H-B3 kWR88M-K1K030H-B3 kW <t< th=""><th></th><th></th><th></th><th></th></t<>					
PBT PTOTAL100 WR88M-K10030H200 VR88M-K20030H400 WR88M-K40030H750 WR88M-K1030H750 WR88M-K1K530H2 kWR88M-K1K530H2 kWR88M-K2K030H3 kWR88M-K3K030H4 kWR88M-K3K030H4 kWR88M-K3K030H750 WR88M-K3K030H1 kWR88M-K3K030H750 WR88M-K3K030F1 kWR88M-K1K030F1 kWR88M-K3K030F1 kWR88M-K3K030F1 kWR88M-K3K030F3 kWR88M-K3K030F3 kWR88M-K3K030F3 kWR88M-K40030-B5 kWR88M-K40030L-B100 VR88M-K40030L-B200 WR88M-K40030L-B200 WR88M-K40030L-B200 WR88M-K40030H-B200 WR88M-K40030H-B200 WR88M-K40030H-B200 WR88M-K40030H-B200 WR88M-K40030H-B200 WR88M-K40030H-B200 WR88M-K1030H-B200 WR88M-K1030H-B200 WR88M-K40030H-B3 kWR88M-K1K030H-B200 WR88M-K40030H-B3 kWR88M-K3030H-B3 kWR88M-K3030H-B3 kWR88M-K3030H-B3 kWR88M-K4K030H-B3 kWR88M-K4K030H-B3 kWR88M-K4K030H-B3 kWR88M-K4K030H-B3 kWR88M-K4K030H-B3 kWR88M-K4K030H-B3 kWR88M-K4K030H-B3 kW <th></th> <th></th> <th></th> <th></th>					
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Part of the system1 kWR88M-K1K030H1.5 kWR88M-K1K530H2 kWR88M-K2K030H3 kWR88M-K3K030H4 kWR88M-K4K030H5 kWR88M-K4K030H750 WR88M-K5K030F1 kWR88M-K1K030F1.5 kWR88M-K1K030F1.5 kWR88M-K1K030F1.5 kWR88M-K1K030F3 kWR88M-K1K030F4 kWR88M-K4K030F5 kWR88M-K5K030F3 kWR88M-K5K030F4 kWR88M-K05030H-B100 V50 W200 WR88M-K10030L-B200 WR88M-K40030L-B400 WR88M-K40030L-B200 WR88M-K10030H-B100 WR88M-K10030H-B100 WR88M-K10030H-B100 WR88M-K40030L-B200 WR88M-K40030L-B200 WR88M-K10030H-B200 WR88M-K10030H-B100 WR88M-K10030H-B200 WR88M-K10030H-B200 WR88M-K10030H-B200 WR88M-K10030H-B100 WR88M-K10030H-B100 WR88M-K10030H-B100 WR88M-K10030H-B100 WR88M-K10030H-B200 WR88M-K10030H-B100 WR88M-K10030H-B100 WR88M-K10030H-B100 WR88M-K10030H-B100 WR88M-K10030H-B100 WR88M-K10030H-B100 WR88M-K10030H-B100 WR88M-K10030H-B100 WR88M-K10030H-B100 WR88M-K10030H					
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Yet4 kWR88M-K4K030H5 kWR88M-K5K030H750 WR88M-K5K030F1 kWR88M-K1K030F1.5 kWR88M-K1K530F2 kWR88M-K1K530F3 kWR88M-K3K030F4 kWR88M-K4K030F5 kWR88M-K5K030F5 kWR88M-K5K030F5 kWR88M-K5K030F5 kWR88M-K5K030F5 kWR88M-K05030H-B100 VR88M-K10030L-B200 WR88M-K10030L-B200 WR88M-K40030L-B200 WR88M-K10030H-B100 WR88M-K10030H-B200 WR88M-K10030H-B100 WR88M-K10030H-B200 WR88M-K10030H-B100 WR88M-K10030H-B200 WR88M-K10030H-B3 kWR88M-K10030H-B200 WR88M-K10030H-B1 kWR88M-K1K5030H-B3 kWR88M-K1K030H-B3 kWR88M-K1K030H-B3 kWR88M-K1K530H-B3 kWR88M-K1K030H-B5 kWR88M-K1K030H-B5 kWR88M-K1K030H-B1 kWR88M-K1K030H-B1 kWR88M-K1K030H-B1 kWR88M-K1K030H-B1 kWR88M-K1K030F-B1 kWR88M-K1K030F-B1 kWR88M-K1K030F-B1 kWR88M-K1K530F-B1 kWR88M-K1K530F-B	itho				
S kW R88M-K5K030H 750 W R88M-K5K030F 1 kW R88M-K1K030F 1 kW R88M-K1K030F 1 kW R88M-K1K50F 2 kW R88M-K1K50F 3 kW R88M-K3K030F 4 kW R88M-K3K030F 5 kW R88M-K3K030F 5 kW R88M-K5K030F 5 kW R88M-K05030H-B 100 V R88M-K10030L-B 200 W R88M-K40030L-B 200 W R88M-K40030L-B 200 W R88M-K10030H-B 200 W R88M-K40030L-B 200 W R88M-K10030H-B 200 W R88M-K40030H-B 200 W R88M-K10030H-B 200 W R88M-K10030H-B 200 W R88M-K20030H-B 200 W R88M-K10030H-B 200 W R88M-K2K030H-B 200 W R88M-K40030H-B 200 W R88M-K1K030H-B 200 W R88M-K1K030H-B 200 W R88M-K1K030H-B 200 W R88M-K1K030H-B	ž				
Y 750 W R88M-K75030F 1 kW R88M-K1K030F 1 kW R88M-K1K030F 1.5 kW R88M-K1K530F 2 kW R88M-K2K030F 3 kW R88M-K3K030F 4 kW R88M-K4K030F 5 kW R88M-K3K030F 4 kW R88M-K4K030F 5 kW R88M-K10030L-B 100 V 700 W 700 W R88M-K10030L-B 100 V R88M-K20030L-B 100 W R88M-K40030L-B 200 W R88M-K40030L-B 200 W R88M-K05030H-B 100 W R88M-K40030L-B 200 W R88M-K10030H-B 200 W R88M-K40030H-B 200 W R88M-K10030H-B 200 W R88M-K10030H-B 200 W R88M-K2K030H-B 200 W R88M-K2K030H-B 200 W R88M-K1K530H-B 200 W R88M-K1K030H-B 200 W R88M-K1K530H-B 200 W R88M-K1K030H-B 200 W R88M-K1K030H-B <th></th> <th></th> <th></th> <th></th>					
Yet1 kWR88M-K1K030F1.5 kWR88M-K1K530F2 kWR88M-K2K030F3 kWR88M-K2K030F4 kWR88M-K4K030F4 kWR88M-K4K030F5 kWR88M-K5K030F5 kWR88M-K05030H-B100 VR88M-K10030L-B200 WR88M-K20030L-B400 WR88M-K40030L-B50 WR88M-K05030H-B100 WR88M-K05030H-B200 WR88M-K0030L-B200 WR88M-K40030L-B50 WR88M-K10030H-B200 WR88M-K10030H-B200 WR88M-K10030H-B100 WR88M-K10030H-B200 WR88M-K20030H-B3 kWR88M-K1K030H-B1.5 kWR88M-K1K5030H-B3 kWR88M-K1K5030H-B3 kWR88M-K4K030H-B5 kWR88M-K4K030H-B5 kWR88M-K4K030H-B5 kWR88M-K4K030H-B1 kWR88M-K4K030H-B1 kWR88M-K1K5030F-B1 kWR88M-K1K030F-B1 kWR88M-K1K030F-B1 kWR88M-K1K030F-B1 kWR88M-K1K030F-B1 kWR88M-K1K030F-B1 kWR88M-K1K503F-B1 kWR88M-K1K503F-B1 kWR88M-K1K503F-B1 kWR88M-K1K53F-B					
900 V 1.5 kW R88M-K1K530F 400 V 2 kW R88M-K1K530F 3 kW R88M-K2K030F 3 kW R88M-K4K030F 4 kW R88M-K4K030F 5 kW R88M-K4K030F 5 kW R88M-K5K030F 5 kW R88M-K5K030F 5 kW R88M-K5K030F 100 V R88M-K05030H-B 100 V R88M-K10030L-B 200 W R88M-K40030L-B 200 W R88M-K05030H-B 100 W R88M-K05030H-B 200 W R88M-K10030H-B 200 W R88M-K2K0030H-B 200 W R88M-K10030H-B 200 W R88M-K10030H-B 200 W R88M-K10030H-B 200 W R88M-K2K030H-B 200 W R88M-K1K5030H-B 200 W R88M-K1K5030H-B 200 W R88M-K1K030H-B 2		400 V			
400 V 2 kW R88M-K2K030F 3 kW R88M-K3K030F 4 kW R88M-K4K030F 5 kW R88M-K4K030F 5 kW R88M-K4K030F 5 kW R88M-K5K030F 5 kW R88M-K05030H-B 100 V R88M-K05030L-B 200 W R88M-K40030L-B 200 W R88M-K05030H-B 100 W R88M-K10030L-B 200 W R88M-K40030L-B 200 W R88M-K05030H-B 100 W R88M-K05030H-B 200 W R88M-K10030H-B 3 kW R88M-K10030H-B 1.5 kW R88M-K10030H-B 3 kW R88M-K10030H-B 3 kW R88M-K5K030H-B 3 kW R88M-K5K030H-B 5 kW R88M-K10030F-B 1 kW R88					
Solution Star R88M-K3K030F 4 kW R88M-K3K030F 4 kW R88M-K4K030F 5 kW R88M-K5K030F 5 kW R88M-K05030H-B 100 V R88M-K05030H-B 100 V R88M-K10030L-B 200 W R88M-K40030L-B 400 W R88M-K40030L-B 200 W R88M-K10030H-B 200 W R88M-K05030H-B 100 W R88M-K05030H-B 200 W R88M-K10030H-B 200 W R88M-K1K030H-B 200 W R88M-K1K5030H-B 3 kW R88M-K1K030H-B 3 kW R88M-K3K030H-B 3 kW R88M-K5K030H-B 3 kW R88M-K5K030H-B 3 kW R88M-K1K030F-B 1 kW R88M-K1K030F-B 1 kW R88M-K1K030F-B 1 kW			-		
Image: Part of the system of the sy					
S kW R88M-K5K030F 50 W R88M-K5K030H-B 100 V R88M-K10030L-B 200 W R88M-K20030L-B 400 W R88M-K40030L-B 50 W R88M-K10030L-B 200 W R88M-K20030L-B 400 W R88M-K10030H-B 200 W R88M-K10030H-B 200 W R88M-K10030H-B 200 W R88M-K20030H-B 100 W R88M-K10030H-B 200 W R88M-K10030H-B 200 W R88M-K10030H-B 200 W R88M-K10030H-B 200 W R88M-K10030H-B 200 W R88M-K10030H-B 200 W R88M-K10030H-B 200 W R88M-K10030H-B 200 W R88M-K10030H-B 3 kW R88M-K1K030H-B 3 kW R88M-K2K030H-B 3 kW R88M-K5K030H-B 3 kW R88M-K5K030H-B 5 kW R88M-K1K030F-B 1 kW R88M-K1K030F-B 1 kW R88M-K1K030F-B 1 kW R88M-K1K530F-B<					
98 50 W R88M-K05030H-B 100 V R88M-K10030L-B 200 W R88M-K20030L-B 400 W R88M-K40030L-B 400 W R88M-K40030L-B 50 W R88M-K40030L-B 200 W R88M-K40030L-B 200 W R88M-K05030H-B 100 W R88M-K10030H-B 200 W R88M-K20030H-B 200 W R88M-K10030H-B 200 W R88M-K20030H-B 200 W R88M-K10030H-B 200 W R88M-K20030H-B 200 W R88M-K10030H-B 200 W R88M-K10030H-B 200 W R88M-K1K030H-B 200 W R88M-K2K030H-B 2 kW R88M-K2K030H-B 3 kW R88M-K4K030H-B 3 kW R88M-K5K030H-B 3 kW R88M-K5K030H-B 5 kW R88M-K1K030F-B 1 kW R88M-K1K030F-B 1 kW R88M-K1K530F-B 1 kW R88M-K1K530F-B					
100 V R88M-K10030L-B 200 W R88M-K20030L-B 400 W R88M-K40030L-B 400 W R88M-K40030L-B 50 W R88M-K05030H-B 100 W R88M-K10030H-B 200 W R88M-K10030H-B 200 W R88M-K10030H-B 200 W R88M-K20030H-B 200 W R88M-K10030H-B 200 W R88M-K1K030H-B 200 W R88M-K1K030H-B 2 kW R88M-K1K030H-B 3 kW R88M-K5K030H-B 3 kW R88M-K5K030H-B 5 kW R88M-K5K030H-B 5 kW R88M-K1K030F-B 1 kW R88M-K1K030F-B 1 kW R88M-K1K530F-B 1 kW R88M-K1K530F-B					
100 V 200 W R88M-K20030L-B 400 W R88M-K40030L-B 400 W R88M-K40030L-B 50 W R88M-K05030H-B 100 W R88M-K10030H-B 200 W R88M-K20030H-B 400 W R88M-K10030H-B 200 W R88M-K20030H-B 400 W R88M-K20030H-B 200 V R88M-K10030H-B 2 kW R88M-K2K030H-B 3 kW R88M-K40030H-B 3 kW R88M-K5K030H-B 5 kW R88M-K5K030H-B 5 kW R88M-K1K030F-B 1 kW R88M-K1K030F-B 1 kW R88M-K1K530F-B					
400 W R88M-K40030L-B 50 W R88M-K40030H-B 100 W R88M-K10030H-B 200 W R88M-K40030H-B 400 W R88M-K40030H-B 200 W R88M-K40030H-B 750 W R88M-K40030H-B 750 W R88M-K40030H-B 200 V 1 kW 100 W R88M-K40030H-B 200 V 1 kW 88M-K1K030H-B 2 kW 1.5 kW R88M-K1K030H-B 2 kW R88M-K2K030H-B 3 kW R88M-K4K030H-B 5 kW R88M-K4K030H-B 5 kW R88M-K4K030H-B 5 kW R88M-K4K030H-B 1 kW R88M-K4K030H-B 1 kW R88M-K4K030H-B 1 kW R88M-K1K030F-B 1 kW R88M-K1K030F-B 1 kW R88M-K1K530F-B 1 kW R88M-K1K530F-B		100 V			
50 W R88M-K05030H-B 100 W R88M-K10030H-B 200 W R88M-K10030H-B 200 W R88M-K40030H-B 750 W R88M-K40030H-B 750 W R88M-K1K030H-B 1 kW R88M-K1K030H-B 2 kW R88M-K1K530H-B 2 kW R88M-K1K5030H-B 3 kW R88M-K2K030H-B 3 kW R88M-K4K030H-B 5 kW R88M-K4K030H-B 5 kW R88M-K5K030H-B 1 kW R88M-K5K030H-B 1 kW R88M-K5K030H-B 1 kW R88M-K5K030H-B 1 kW R88M-K5K030H-B 1 kW R88M-K5K030H-B 1 kW R88M-K1K030F-B 1 kW R88M-K1K030F-B 1 kW R88M-K1K530F-B					
P8 100 W R88M-K10030H-B 200 W R88M-K20030H-B 400 W R88M-K40030H-B 750 W R88M-K75030H-B 750 W R88M-K1K030H-B 1 kW R88M-K1K030H-B 2 kW R88M-K1K530H-B 2 kW R88M-K1K530H-B 3 kW R88M-K2K030H-B 3 kW R88M-K3K030H-B 5 kW R88M-K5K030H-B 5 kW R88M-K5K030H-B 1 kW R88M-K5K030H-B 1 kW R88M-K5K030H-B 1 kW R88M-K5K030H-B 1 kW R88M-K5K030H-B 1 kW R88M-K5K030H-B 1 kW R88M-K1K030F-B 1 kW R88M-K1K030F-B 1 kW R88M-K1K530F-B					
200 W R88M-K20030H-B 400 W R88M-K40030H-B 750 W R88M-K75030H-B 1 kW R88M-K1K030H-B 1.5 kW R88M-K1K530H-B 2 kW R88M-K1K530H-B 2 kW R88M-K2K030H-B 3 kW R88M-K3K030H-B 4 kW R88M-K4K030H-B 5 kW R88M-K5K030H-B 1 kW R88M-K5K030H-B 1 kW R88M-K5K030H-B 1 kW R88M-K5K030H-B 1 kW R88M-K5K030H-B 1 kW R88M-K5K030H-B 1 kW R88M-K5K030H-B 1 kW R88M-K1K030F-B 1 kW R88M-K1K530F-B 1 kW R88M-K1K530F-B					
P8 400 W R88M-K40030H-B 750 W R88M-K75030H-B 750 W R88M-K75030H-B 1 kW R88M-K1K030H-B 1.5 kW R88M-K1K530H-B 2 kW R88M-K2K030H-B 3 kW R88M-K3K030H-B 4 kW R88M-K4K030H-B 5 kW R88M-K5K030H-B 750 W R88M-K5K030H-B 1 kW R88M-K5K030F-B 1 kW R88M-K1K030F-B 1 kW R88M-K1K530F-B					
Yes 750 W R88M-K75030H-B 1 kW R88M-K1K030H-B 1 kW R88M-K1K030H-B 2 kW R88M-K1K530H-B 2 kW R88M-K2K030H-B 3 kW R88M-K3K030H-B 4 kW R88M-K4K030H-B 5 kW R88M-K5K030H-B 1 kW R88M-K5K030H-B 1 kW R88M-K5K030H-B 1 kW R88M-K75030F-B 1 kW R88M-K1K030F-B 1 kW R88M-K1K530F-B					
200 V 1 kW R88M-K1K030H-B 1.5 kW R88M-K1K530H-B 2 kW R88M-K1K530H-B 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 kW R88M-K1K030F-B 1 kW R88M-K1K030F-B			750 W		
Image: Non-State Image: Non-State <th image:="" non-state<<="" th=""><th>Ø</th><th>200 V</th><th>1 kW</th><th></th></th>	<th>Ø</th> <th>200 V</th> <th>1 kW</th> <th></th>	Ø	200 V	1 kW	
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	rako				
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	d H				
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	Ň				
5 kW R88M-K5K030H-B 750 W R88M-K75030F-B 1 kW R88M-K1K030F-B 1.5 kW R88M-K1K530F-B					
750 W R88M-K75030F-B 1 kW R88M-K1K030F-B 1.5 kW R88M-K1K530F-B					
1 kW R88M-K1K030F-B 1.5 kW R88M-K1K530F-B				R88M-K75030F-B	
			1 kW	R88M-K1K030F-B	
400 V 2 kW B88M-K2K030E-B			1.5 kW		
		400 V	2 kW	R88M-K2K030F-B	
3 kW R88M-K3K030F-B			3 kW	R88M-K3K030F-B	
4 kW R88M-K4K030F-B			4 kW	R88M-K4K030F-B	
5 kW R88M-K5K030F-B			5 kW	R88M-K5K030F-B	

AC Servomotor/Drive G5-series

tation speed	d Encod	er Option	
,000 r/min	INC	Without key	
,000 1/11111	ABS/IN	C With key	
			Model
Spe	cificatio	ons	With absolute encoder
			Straight shaft withkey and tap
Vol	tage	Rated output	Without oil seals
		50 W	R88M-K05030T-S2
	-	100 W	R88M-K10030S-S2
10	0 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
	F	400 W	R88M-K40030T-S2
		750 W	R88M-K75030T-S2
20	o v 🛛	1 kW	R88M-K1K030T-S2
02 0		1.5 kW	R88M-K1K530T-S2
no		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
40	0 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
10	ov –	100 W	R88M-K10030S-BS2
10		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
20	0 V	1 kW	R88M-K1K030T-BS2
		1.5 kW	R88M-K1K530T-BS2
		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
40	0 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		ions	With absolute encoder
			Straight shaft without key
	Voltage	Rated output	Without oil seals
		50 W	R88M-K05030T
		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
tbr		1.5 kW	R88M-K1K530T
Without brake		2 kW	R88M-K2K030T
Wit		3 kW	R88M-K3K030T
		4 kW	R88M-K4K030T
		5 kW	R88M-K5K030T
	400 V	750 W	R88M-K75030C
		1 kW	R88M-K1K030C
		1.5 kW	R88M-K1K530C
		2 kW	R88M-K2K030C
		3 kW	R88M-K3K030C
		4 kW	R88M-K4K030C
		5 kW	R88M-K5K030C
		50 W	R88M-K05030T-B
	100 V	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
		750 W	R88M-K75030T-B
ake	200 V	1 kW	R88M-K1K030T-B
brake		1.5 kW	R88M-K1K530T-B
Vith		2 kW	R88M-K2K030T-B
3		3 kW	R88M-K3K030T-B
		4 kW	R88M-K4K030T-B
		5 kW	R88M-K5K030T-B
		750 W	R88M-K75030C-B
		1 kW	R88M-K1K030C-B
		1.5 kW	R88M-K1K530C-B
	400 V	2 kW	R88M-K2K030C-B
		3 kW	R88M-K3K030C-B
		4 kW	R88M-K4K030C-B
Note	Madalawi	5 kW	R88M-K5K030C-B are also available

2,000-r/min servomotors

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

Specificat Voltage 200 V	Rated output 1 kW 1.5 kW 2 kW	With incremental encoder Straight shaft with key and tap Without oil seals R88M-K1K020H-S2 R88M-K1K520H-S2
	output 1 kW 1.5 kW 2 kW	Without oil seals R88M-K1K020H-S2
	output 1 kW 1.5 kW 2 kW	R88M-K1K020H-S2
200 V	1.5 kW 2 kW	
200 V	2 kW	R88M-K1K520H-S2
200 V		
200 V		R88M-K2K020H-S2
	3 kW	R88M-K3K020H-S2
	4 kW	R88M-K4K020H-S2
	5 kW	R88M-K5K020H-S2
	400 W	R88M-K40020F-S2
	600 W	R88M-K60020F-S2
400 V	1 kW	R88M-K1K020F-S2
	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
	1 kW	R88M-K1K020H-BS2
	1.5 kW	R88M-K1K520H-BS2
000 V	2 kW	R88M-K2K020H-BS2
200 V	3 kW	R88M-K3K020H-BS2
	4 kW	R88M-K4K020H-BS2
	5 kW	R88M-K5K020H-BS2
	400 W	R88M-K40020F-BS2
	600 W	R88M-K60020F-BS2
	1 kW	R88M-K1K020F-BS2
400 1/	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
	200 V 400 V	200 V 3 kW 4 kW 5 kW 400 W 600 W 1 kW 1.5 kW 2 kW 3 kW 4 kW

Note: Models with oil seals are also available.

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

Specifications		Model	
		With incremental encoder	
		Straight shaft without key	
Voltage	Rated output	Without oil seals	
	1 kW	R88M-K1K020H	
	1.5 kW	R88M-K1K520H	
200 V	2 kW	R88M-K2K020H	
200 V	3 kW	R88M-K3K020H	
	4 kW	R88M-K4K020H	
	5 kW	R88M-K5K020H	
	400 W	R88M-K40020F	
	600 W	R88M-K60020F	
	1 kW	R88M-K1K020F	
400 V	1.5 kW	R88M-K1K520F	
400 V	2 kW	R88M-K2K020F	
	3 kW	R88M-K3K020F	
	4 kW	R88M-K4K020F	
	5 kW	R88M-K5K020F	
200 V	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-K5K020H-B	
	400 W	R88M-K40020F-B	
	600 W	R88M-K60020F-B	
	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	
	4 kW	R88M-K4K020F-B	
	5 kW	R88M-K5K020F-B	
	Voltage 200 V 400 V 200 V 400 V	Voltage Rated output 1 kW 1.5 kW 2 kW 3 kW 4 kW 5 kW 400 W 600 W 1 kW 1.5 kW 400 W 600 W 1 kW 1.5 kW 2 kW 3 kW 4 kW 5 kW 2 kW 3 kW 4 kW 5 kW 200 V 3 kW 4 kW 5 kW 1 kW 1.5 kW 2 kW 3 kW 4 00 W 600 W 1 kW 1.5 kW 2 kW 3 kW 400 V 600 W 1 kW 1.5 kW 2 kW 3 kW 4 kW	

AC Servomotor/Drive G5-series

Rotation	speed	Encode	er Option		
2,000 r/min ABS/INC Without key With key		Without key			
		C With key			
				Model	
	Snec	ificatio	ne	With absolute encoder	
	opec	meano	113	Straight shaft with key and tap	
Bated		Rated			
Voltage 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 *	
Without brake			15 kW	R88M-K15K015T-S2 *	
ut bi			400 W	R88M-K40020C-S2	
hot			600 W	R88M-K60020C-S2	
٨it			1 kW	R88M-K1K020C-S2	
			1.5 kW	R88M-K1K520C-S2	
			2 kW	R88M-K2K020C-S2	
	400		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	R88M-K40020C-BS2	
With		-	600 W	R88M-K60020C-BS2	
		-	1 kW 1.5 kW	R88M-K1K020C-BS2	
		-	1.5 KW 2 kW	R88M-K1K520C-BS2 R88M-K2K020C-BS2	
	400	v	2 KW 3 kW	R88M-K3K020C-BS2	
	400	-	3 KW 4 kW	R88M-K4K020C-BS2	
		-	4 KW	R88M-K4K020C-BS2	
		-	экw 7.5 kW	R88M-K7K515C-BS2 *	
		-	7.5 KW	R88M-K11K015C-BS2 *	
		-	15 kW	R88M-K15K015C-BS2 *	
lota	Mode	le with		are also available.	

 Rotation speed
 Encoder
 Option

 2,000 r/min
 INC
 Without key

 ABS/INC
 With key

			Model	
Specifications		ions	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	
		3 kW	R88M-K3K020T-B	
	200 V	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	
>		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

Rotatio	n speed	Encoder	Option	
		INC	Without key	
,000) r/min	ABS/INC	With key	
				Model
	Spec	ification	S	With incremental encoder
				Straight shaft with key and tap
	Volt	age	Rated output	Without oil seals
	200 V		900 W	R88M-K90010H-S2
ake		v	2 kW	R88M-K2K010H-S2
r D			3 kW	R88M-K3K010H-S2
Do			900 W	R88M-K90010F-S2
Without brake	400	v	2 kW	R88M-K2K010F-S2
			3 kW	R88M-K3K010F-S2
			900 W	R88M-K90010H-BS2
ყ 200 V		v	2 kW	R88M-K2K010H-BS2
With brake			3 kW	R88M-K3K010H-BS2
Ę			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
	ABS/INC	With key

			Model	
Specifications Voltage Rated output		ions	With incremental encoder Straight shaft without key	
			Without oil seals	
		900 W	R88M-K90010H	
Without brake	200 V	2 kW	R88M-K2K010H	
t br		3 kW	R88M-K3K010H	
nor	400 V	900 W	R88M-K90010F	
Witl		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	
Ň	400 V	2 kW	R88M-K2K010F-B	
		3 kW	R88M-K3K010F-B	

Note: Models with oil seals are also available.

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

Specifications			Model	
		ions	With absolute encoder	
	Voltage Rated output		Straight shaft without key	
			Without oil seals	
		900 W	R88M-K90010T	
		2 kW	R88M-K2K010T	
	200 V	3 kW	R88M-K3K010T	
ake		4.5 kW	R88M-K4K510T	
t br		6 kW	R88M-K6K010T	
Without brake	400 V	900 W	R88M-K90010C	
Witl		2 kW	R88M-K2K010C	
-		3 kW	R88M-K3K010C	
		4.5 kW	R88M-K4K510C	
		6 kW	R88M-K6K010C	
		900 W	R88M-K90010T-B	
		2 kW	R88M-K2K010T-B	
	200 V	3 kW	R88M-K3K010T-B	
e		4.5 kW	R88M-K4K510T-B	
With brake		6 kW	R88M-K6K010T-B	
ith I		900 W	R88M-K90010C-B	
×		2 kW	R88M-K2K010C-B	
	400 V	3 kW	R88M-K3K010C-B	
		4.5 kW	R88M-K4K510C-B	
		6 kW	R88M-K6K010C-B	
Note:	Note: Models with oil seals are also available.			

Ordering Information

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

Specifications			Model	
		ions	With absolute encoder	
	Voltage Rated output		Straight shaft with key and tap	
			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	
nor	400 V	900 W	R88M-K90010C-S2	
Vitl		2 kW	R88M-K2K010C-S2	
		3 kW	R88M-K3K010C-S2	
		4.5 kW	R88M-K4K510C-S2	
		6 kW	R88M-K6K010C-S2	
		900 W	R88M-K90010T-BS2	
		2 kW	R88M-K2K010T-BS2	
	200 V	3 kW	R88M-K3K010T-BS2	
ê		4.5 kW	R88M-K4K510T-BS2	
bral		6 kW	R88M-K6K010T-BS2	
With brake		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	
Note	Note: Models with oil seals are also available			

Linear Motors <u>NEW</u> <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	
	1/45	R88G-HPG32A45750B	
	1/5	R88G-HPG32A052K0B	
	1/11	R88G-HPG32A112K0B	
750W	1/21	R88G-HPG32A211K5B	
(400 V)	1/33	R88G-HPG32A33600SB	
	1/45	R88G-HPG50A451K5B	
	1/5	R88G-HPG32A052K0B	
	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	
1.500	1/33	R88G-HPG50A332K0B	
	1/45	R88G-HPG50A451K5B	
2kW	1/5	R88G-HPG32A052K0B	
	1/11	R88G-HPG32A032K0B	
	1/21	R88G-HPG50A212K0B	
	1/21	R88G-HPG50A332K0B	
	1/5	R88G-HPG32A053K0B	
3kW	1/5	R88G-HPG50A113K0B	
UK VV	1/21	R88G-HPG50A213K0B	
4kW	1/5	R88G-HPG32A054K0B	
	1/11	R88G-HPG50A115K0B	
5kW	1/5	R88G-HPG50A055K0B	
	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 apacity	Gear Ratio	Model (Straight shaft)
	1/5	R88G-HPG32A052K0B
	1/11	R88G-HPG32A112K0B
400 W	1/21	R88G-HPG32A211K5B
	1/33	R88G-HPG32A33600SB
	1/45	R88G-HPG32A45400SB
	1/5	R88G-HPG32A052K0B
	1/11	R88G-HPG32A112K0B
600 W	1/21	R88G-HPG32A211K5B
	1/33	R88G-HPG32A33600SB
	1/45	R88G-HPG50A451K5B
	1/5	R88G-HPG32A053K0B
	1/11	R88G-HPG32A112K0SB
1 kW	1/21	R88G-HPG32A211K0SB
	1/33	R88G-HPG50A332K0SB
	1/45	R88G-HPG50A451K0SB
	1/5	R88G-HPG32A053K0B
	1/11	R88G-HPG32A112K0SB
1.5 kW	1/21	R88G-HPG50A213K0B
	1/33	R88G-HPG50A332K0SB
	1/5	R88G-HPG32A053K0B
0.1.1.1	1/11	R88G-HPG32A112K0SB
2 kW	1/21	R88G-HPG50A213K0B
	1/33	R88G-HPG50A332K0SB
	1/5	R88G-HPG32A054K0B
2 1/1/	1/11	R88G-HPG50A115K0B
3 kW	1/21	R88G-HPG50A213K0SB
	1/25	R88G-HPG65A253K0SB
4 kW	1/5	R88G-HPG50A055K0SB
	1/11	R88G-HPG50A115K0SB
	1/20	R88G-HPG65A205K0SB
	1/25	R88G-HPG65A255K0SB
	1/5	R88G-HPG50A055K0SB
5 kW	1/11	R88G-HPG50A115K0SB
5 KVV	1/20	R88G-HPG65A205K0SB
	1/25	R88G-HPG65A255K0SB

Note: 1. The standard models have a straight shaft.
2. 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	
2 kW	1/5	R88G-HPG32A052K0TB	
	1/11	R88G-HPG50A112K0TB	
	1/21	R88G-HPG50A212K0TB	
	1/25	R88G-HPG65A255K0SB	
3 kW	1/5	R88G-HPG50A055K0SB	
	1/11	R88G-HPG50A115K0SB	
	1/20	R88G-HPG65A205K0SB	
	1/25	R88G-HPG65A255K0SB	

Note: 1. The standard models have a straight shaft.
2. 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

Straight shall with key			
Motor capacity	Gear Ratio	Model (Straight shaft)	
	1/5	R88G-VRSF05B100CJ	
50 W	1/9	R88G-VRSF09B100CJ	
50 W	1/15	R88G-VRSF15B100CJ	
	1/25	R88G-VRSF25B100CJ	
	1/5	R88G-VRSF05B100CJ	
100 W	1/9	R88G-VRSF09B100CJ	
100 W	1/15	R88G-VRSF15B100CJ	
	1/25	R88G-VRSF25B100CJ	
	1/5	R88G-VRSF05B200CJ	
200 W	1/9	R88G-VRSF09C200CJ	
200 W	1/15	R88G-VRSF15C200CJ	
	1/25	R88G-VRSF25C200CJ	
	1/5	R88G-VRSF05C400CJ	
400 W	1/9	R88G-VRSF09C400CJ	
400 W	1/15	R88G-VRSF15C400CJ	
	1/25	R88G-VRSF25C400CJ	
750 W	1/5	R88G-VRSF05C750CJ	
	1/9	R88G-VRSF09D750CJ	
	1/15	R88G-VRSF15D750CJ	
	1/25	R88G-VRSF25D750CJ	

Accessories and Cables

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

Power cable

Image: Second	Specifications		Without brake	With brake
100 V/200 V] 5 m R88A-CAKA0105 3,000-r/min Servomotors of 50 to 750 W 10 m R88A-CAKA0105 20 m R88A-CAKA0305 0 30 m R88A-CAKA0305 0 30 m R88A-CAKA0305 0 30 m R88A-CAKA0305 0 30 m R88A-CAKA0305 0 30 m R88A-CAKA0305 0 50 m R88A-CAKA0305 0 30 m R88A-CAKB005S 0 30.00-r/min Servomotors of 1 to 2 kW 10 m R88A-CAGB020S R88A-CAGB020B 30.00-r/min Servomotors of 900 W 10 m R88A-CAGB020S R88A-CAGB020B 0 30.00-r/min Servomotors of 900 W 10 m R88A-CAGB020S R88A-CAGB020B 0 30.00-r/min Servomotors of 900 W 10 m R88A-CAGB020S R88A-CAGB020B 0 30.00-r/min Servomotors of 900 W 10 m R88A-CAGB020S R88A-CAGB020B 0 30.00-r/min Servomotors of 900 W 10 m R88A-CAGB020S R88A-CAKP005B 0 30 m R88A-CAGB020S			Model	Model
10 or 200 vj 3,000-r/min Servomotors of 50 to 750 W10 mR88A-CAKA010S3,000-r/min Servomotors of 50 to 750 W10 mR88A-CAKA030S40 mR88A-CAKA030S40 mR88A-CAKA030S40 mR88A-CAKA030S40 mR88A-CAKA030S50 mR88A-CAK050S50 mR88A-CAGB003SR88A-CAGB005B50 mR88A-CAGB015SR88A-CAGB015B2,000-r/min Servomotors of 1 to 2 kW15 mR88A-CAGB015S2,000-r/min Servomotors of 1 to 2 kW15 mR88A-CAGB02S1,000-r/min Servomotors of 1 to 2 kW30 mR88A-CAGB02S2,001-r/min Servomotors of 1 to 2 kW15 mR88A-CAGB02S2,001-r/min Servomotors of 1 to 2 kW15 mR88A-CAGB02S3,001-r/min Servomotors of 1 S0 W to 2 kW30 mR88A-CAGB03S3,001-r/min Servomotors of 150 W to 2 kW15 mR88A-CAGB03S4,001R88A-CAGB03SR88A-CAKP03B3,002 r/min Servomotors of 150 W to 2 kW15 mR88A-CAGB03S3,003 r/min Servomotors of 150 W to 2 kW15 mR88A-CAGB03S3,001 r/min Servomotors of 150 W to 2 kW15 mR88A-CAGB03S3,002 r/min Servomotors of 150 W to 2 kW15 mR88A-CAGB03S1,000-r/min Servomotors of 150 W to 2 kW15 mR88A-CAGB03S1,000-r/min Servomotors of 150 W to 2 kW15 mR88A-CAGB03S1,000-r/min Servomotors of 150 W to 2 kW15 mR88A-CAGB03S1,000-r/min Servomotors of 150 KW15 mR88A-CAGB03S1,000-r/min Servomotors of 150 KW15 mR88A-		3 m	R88A-CAKA003S	
[100 V/200 V] 15m R88A-CAKA015S 3,000-r/min Servemeters of 50 to 750 W 20 m R88A-CAKA020S 30 m R88A-CAKA030S 40 m 40 m R88A-CAKA040S 50 m 50 m R88A-CAKA00S 50 m 50 m R88A-CAKA00S 50 m 50 m R88A-CAGB003S R88A-CAGB005B 200 r/min Servemeters of 1 to 2 kW 5 m R88A-CAGB01S 3,000-r/min Servemeters of 1 to 2 kW 10 m R88A-CAGB00S R88A-CAGB01B 200 r/min Servemeters of 100 W 3 m R88A-CAGB00S R88A-CAGB020B 30 m R88A-CAGB03OS R88A-CAGB020B 30 m 1,000-r/min Servemeters of 900 W 3 m R88A-CAGB03OS R88A-CAGB03OB 40 m R88A-CAGB03OS R88A-CAGB03OB 88A-CAGB03OB 3,000-r/min Servemeters of 150 W to 2 kW 3 m R88A-CAGB03OS R88A-CAKF03B 3,000-r/min Servemeters of 150 W to 2 kW 15 m R88A-CAGB03OS R88A-CAKF03B 10 m R88A-CAGB03OS R88A-CAKF03B 20 m 1,000-r/min Servemeters of 150 W to 2		5 m	R88A-CAKA005S	
3,000-r/min Servomotors of 50 to 750 W 20 m R88A-CAKA020S 30 m R88A-CAKA030S		10 m	R88A-CAKA010S	
200 // 30 m R88A-CAKA030S 30 m R88A-CAKA030S 40 m R88A-CAKA030S 50 m R88A-CAKA040S 50 m R88A-CAKA050S 70 m R88A-CAK0500S 8 m R88A-CAGB003S R88A-CAGB005B 3.000-t/min Servomotors of 1 to 2 kW 10 m R88A-CAGB020S R88A-CAGB020B 10 m R88A-CAGB020S R88A-CAGB020B 10 m 3.000-t/min Servomotors of 1 to 2 kW 20 m R88A-CAGB020S R88A-CAGB020B 30 m R88A-CAGB030S R88A-CAGB020B 10 m 30 m R88A-CAGB030S R88A-CAGB030B 10 m 40 m R88A-CAGB030S R88A-CAGB040B 10 m 50 m R88A-CAGB03S R88A-CAGB040B 10 m 50 m R88A-CAGB03S R88A-CAKF03B 10 m 1,000-t/min Servomotors of 750 W to 2 kW 10 m R88A-CAGB03S R88A-CAKF03B 200 t/j (a00 v) 1 a S kW 15 m R88A-CAGB05S R88A-CAKF03B 30 m R88A-CAGB05S R88A-CAKF05B 10	[100 V/200 V]	15m	R88A-CAKA015S	
40 mR88A-CAKA040S50 mR88A-CAKA050S30 mR88A-CAKA050S3 mR88A-CAGB003SR88A-CAGB005B3,000-/min Servomotors of 1 to 2, kW15 mR88A-CAGB01S1,000-/min Servomotors of 10 to 2, kW15 mR88A-CAGB03OS1,000-/min Servomotors of 100 W20 mR88A-CAGB03OS3 mR88A-CAGB03OSR88A-CAGB03OB1,000-/min Servomotors of 100 W15 mR88A-CAGB03OS3 mR88A-CAGB03OSR88A-CAGB03OB40 mR88A-CAGB03OSR88A-CAGB03OB3 mR88A-CAGB03OSR88A-CAGB05DB3 mR88A-CAGB03OSR88A-CAGB05DB3 mR88A-CAGB03OSR88A-CAGB05DB3 mR88A-CAGB03OSR88A-CAGB05DB3 mR88A-CAGB03OSR88A-CAGB05DB3 mR88A-CAGB03DSR88A-CAGB05DB3 mR88A-CAGB03DSR88A-CAGB05DB3 mR88A-CAGB03DSR88A-CAKF03B3 mR88A-CAGB03DSR88A-CAKF03B3 mR88A-CAGB03DSR88A-CAKF03DB3 mR88A-CAGB03DSR88A-CAKF03DB3 mR88A-CAGB03DSR88A-CAGD05B3 mR88A-CAGD03DSR88A-CAGD03B3 mR88A-CAGD03DSR88A-CAGD03B3 mR88A-CAGD03DSR88A-CAGD03B3 mR88A-CAGD03DSR88A-CAGD03B3 mR88A-CAGD03DSR88A-CAGD03B3 mR88A-CAGD03DSR88A-CAGD03B3 mR88A-CAGD03DSR88A-CAGD03B3 mR88A-CAGD03DSR88A-CAGD03B3	3,000-r/min Servomotors of 50 to 750 W	20 m	R88A-CAKA020S	
50 mR88A-CAKA050S10 mR88A-CAGB003SR88A-CAGB003B3 mR88A-CAGB005SR88A-CAGB003B10 mR88A-CAGB010SR88A-CAGB010B10 mR88A-CAGB015SR88A-CAGB015B2,000-t/min Servomotors of 1 to 2 kW10 mR88A-CAGB003C2,000-t/min Servomotors of 900 W0 mR88A-CAGB030SR88A-CAGB030B3 mR88A-CAGB030SR88A-CAGB030B40 mR88A-CAGB040SR88A-CAGB030B40 mR88A-CAGB05SR88A-CAGB030B3 mR88A-CAGB05SR88A-CAGB030B5 mR88A-CAGB05SR88A-CACB05B10 mR88A-CAGB015SR88A-CAKF005B10 mR88A-CAGB015SR88A-CAKF05B10 mR88A-CAGB015SR88A-CAKF015B2,000-t/min Servomotors of 750 W to 2 kW15 mR88A-CAGB03S3,000-t/min Servomotors of 90 W W2 kW15 mR88A-CAGB03S3,000-t/min Servomotors of 90 W W2 kW15 mR88A-CAGB015S3,000-t/min Servomotors of 100 W W2 kW15 mR88A-CAGB03S3,000-t/min Servomotors of 3 to 5 kW10 mR88A-CAGD03SR88A-CAKF03B2,000 Y] (400 Y]3 to 5 kW15 mR88A-CAGD015SR88A-CAGD03B3,000-t/min Servomotors of 3 to 5 kW15 mR88A-CAGD03SR88A-CAGD03B3,000-t/min Servomotors of 3 to 5 kW15 mR88A-CAGD03SR88A-CAGD03B3,000-t/min Servomotors of 3 to 5 kW15 mR88A-CAGD03SR88A-CAGD03B3,000-t/min Servomotors of 3 to 5 kW15 mR88A-CAGD03S<		30 m	R88A-CAKA030S	
[200 Y] 3 m R88A-CAGB003S R88A-CAGB005B 3.000-r/min Servomotors of 1 to 2 kW 10 m R88A-CAGB015S R88A-CAGB015B 2.000-r/min Servomotors of 900 W 15 m R88A-CAGB020S R88A-CAGB03B 2.000-r/min Servomotors of 900 W 10 m R88A-CAGB020S R88A-CAGB030B 2.000-r/min Servomotors of 900 W 10 m R88A-CAGB020S R88A-CAGB030B 40 m R88A-CAGB030S R88A-CAGB030B 40 m R88A-CAGB030S R88A-CAGB030B 30 m R88A-CAGB030S R88A-CAGB030B 30 m R88A-CAGB030S R88A-CAGB030B 30 m R88A-CAGB030S R88A-CAGB030B 3000-r/min Servomotors of 750 W to 2 kW 3 m R88A-CAGB03S R88A-CAKF03B 3.000-r/min Servomotors of 900 W 15 m R88A-CAGB03S R88A-CAKF03B 3.000-r/min Servomotors of 3 to 5 kW 20 m R88A-CAGB03S R88A-CAKF03B 3.000-r/min Servomotors of 3 to 5 kW 30 m R88A-CAGD03S R88A-CAKF03B 3.000-r/min Servomotors of 3 to 5 kW 10 m R88A-CAGD03S R88A-CAGD03B		40 m	R88A-CAKA040S	
[200 V] 5 m R88A-CAGB005S R88A-CAGB010B 3,000-t/min Servomotors of 1 to 2 kW 20 m R88A-CAGB010S R88A-CAGB015B 2,000-t/min Servomotors of 1 to 2 kW 20 m R88A-CAGB030S R88A-CAGB020B 1,000-t/min Servomotors of 900 W 30 m R88A-CAGB030S R88A-CAGB030B 40 m R88A-CAGB030S R88A-CAGB030B 40 m R88A-CAGB030S R88A-CAGB050B 30 m R88A-CAGB030S R88A-CAGB050B 50 m R88A-CAGB030S R88A-CAKF003B 50 m R88A-CAGB010S R88A-CAKF003B 50 m R88A-CAGB010S R88A-CAKF003B 10 m R88A-CAGB010S R88A-CAKF01B 2,000-t/min Servomotors of 400 W to 2 kW 20 m R88A-CAGB030S R88A-CAKF020B 1,000-t/min Servomotors of 900 W 30 m R88A-CAGB030S R88A-CAKF020B 3,000-t/min Servomotors of 3 to 5 kW 20 m R88A-CAGB030S R88A-CAKF030B 3,000-t/min Servomotors of 3 to 5 kW 30 m R88A-CAGB030S R88A-CAGD03B 3,000-t/min Servomotors of 3 to 5 kW 10 m R88A-C		50 m	R88A-CAKA050S	
10 mR88A-CAGB010SR88A-CAGB010B3,000-r/min Servemotors of 1 to 2 kW 2,000-r/min Servemotors of 900 W15 mR88A-CAGB020SR88A-CAGB020B30 mR88A-CAGB020SR88A-CAGB030B40 m40 mR88A-CAGB030SR88A-CAGB030B40 mR88A-CAGB030SR88A-CAGB040B50 mR88A-CAGB030SR88A-CAGB040B50 mR88A-CAGB03SR88A-CAGB05B30 mR88A-CAGB03SR88A-CAGB05B30 mR88A-CAGB03SR88A-CAGB05B50 mR88A-CAGB01SSR88A-CAF003B50 mR88A-CAGB01SSR88A-CAF015B2,000-r/min Servemotors of 400 W to 2 kW15 mR88A-CAGB03S1,000-r/min Servemotors of 900 W30 mR88A-CAGB03SR88A-CAKF01B2,000-r/min Servemotors of 3 to 5 kW30 mR88A-CAGB03SR88A-CAKF03B2,000-r/min Servemotors of 3 to 5 kW30 mR88A-CAGD03SR88A-CAGD03B2,000-r/min Servemotors of 3 to 5 kW20 mR88A-CAGD01SR88A-CAGD03B3,000-r/min Servemotors of 3 to 5 kW20 mR88A-CAGD01SR88A-CAGD01B3,000-r/min Servemotors of 2 to 4.5 kW20 mR88A-CAGD03SR88A-CAGD03B10 mR88A-CAGD03SR88A-CAGD03BR88A-CAGD03B10 mR88A-CAGD03SR88A-CAGD03B10 mR88A-CAGD03SR88A-CAGD03B10 mR88A-CAGD03SR88A-CAGD03B10 mR88A-CAGD03SR88A-CAGD03B10 mR88A-CAGD03SR88A-CAGD03B10 mR88A-CAGD03SR88A-CAGD03B10 m		3 m	R88A-CAGB003S	R88A-CAGB003B
[200 V] 15 m R88A-CAGB015S R88A-CAGB020B 3,000-r/min Servomotors of 1 to 2 kW 20 m R88A-CAGB030S R88A-CAGB030B 1,000-r/min Servomotors of 900 W 30 m R88A-CAGB030S R88A-CAGB030B 40 m R88A-CAGB030S R88A-CAGB030B R88A-CAGB030B 40 m R88A-CAGB030S R88A-CAGB030B R88A-CAGB030B 40 m R88A-CAGB030S R88A-CAGB030B R88A-CAGB030B 40 m R88A-CAGB030S R88A-CAGB030B R88A-CAGB030B 30 m R88A-CAGB03S R88A-CAGB030B R88A-CAKF03B 3,000-r/min Servomotors of 750 W to 2 kW 3 m R88A-CAGB010S R88A-CAKF03B 3,000-r/min Servomotors of 900 W 15 m R88A-CAGB030S R88A-CAKF030B 200 m R88A-CAGB03S R88A-CAKF03DB 20 m 300 m R88A-CAGB03S R88A-CAKF03DB 30 m 300 m R88A-CAGB03S R88A-CAKF03DB 30 m 300 m R88A-CAGB03S R88A-CAKF03DB 30 m 300 m R88A-CAGD03S R88A-CAGD03B 88A-CAKF03DB		5 m	R88A-CAGB005S	R88A-CAGB005B
3,000-r/min Servomotors of 1 to 2 kW 2,000-r/min Servomotors of 1 to 2 kW15 mR88A-CAGB01SSR88A-CAGB020B1,000-r/min Servomotors of 900 W20 mR88A-CAGB030SR88A-CAGB030B40 mR88A-CAGB030SR88A-CAGB040B50 mR88A-CAGB050SR88A-CAGB040B50 mR88A-CAGB003SR88A-CAGB050B3,000-r/min Servomotors of 750 W to 2 kW3 mR88A-CAGB01SS2,000-r/min Servomotors of 900 W15 mR88A-CAGB01SSR88A-CAKF003B5 mR88A-CAGB01SSR88A-CAKF01B2,000-r/min Servomotors of 900 W15 mR88A-CAGB020SR88A-CAKF01B2,000-r/min Servomotors of 900 W2 kW0 mR88A-CAGB030SR88A-CAKF02B1,000-r/min Servomotors of 900 W15 mR88A-CAGB030SR88A-CAKF02B2,000-r/min Servomotors of 900 W15 mR88A-CAGB030SR88A-CAKF03B3,000-r/min Servomotors of 300 K15 mR88A-CAGB030SR88A-CAKF03B200 V] [400 V]30 mR88A-CAGD03SR88A-CAGD03B3,000-r/min Servomotors of 3 to 5 kW10 mR88A-CAGD010SR88A-CAGD01B3,000-r/min Servomotors of 3 to 5 kW20 mR88A-CAGD03SR88A-CAGD01B1,000-r/min Servomotors of 2 to 4.5 kW10 mR88A-CAGD03SR88A-CAGD03B200 V] [400 V]30 mR88A-CAGD03SR88A-CAGD03B3 mR88A-CAGD03SR88A-CAGD03BR8A-CAGD03B3 mR88A-CAGD03SR88A-CAGD03BR8A-CAGD03B3 mR88A-CAGD03SR88A-CAGD03BR8A-CAGD03B3 mR88	[200 V]	10 m	R88A-CAGB010S	R88A-CAGB010B
1,000-r/min Servomotors of 900 W 100 m R88A-CAGB030S R88A-CAGB030B 40 m R88A-CAGB030S R88A-CAGB030B 40 m R88A-CAGB030S R88A-CAGB050B 50 m R88A-CAGB030S R88A-CAGB050B 50 m R88A-CAGB003S R88A-CAGB050B 30 m R88A-CAGB003S R88A-CAGB050B 30 m R88A-CAGB003S R88A-CAGF003B 50 m R88A-CAGB00SS R88A-CAKF003B 50 m R88A-CAGB010S R88A-CAKF010B 3000-r/min Servomotors of 750 W to 2 kW 10 m R88A-CAGB015S R88A-CAKF010B 2000-r/min Servomotors of 900 W 15 m R88A-CAGB020S R88A-CAKF020B 30 m R88A-CAGB030S R88A-CAKF030B 10 m 40 m R88A-CAGB03S R88A-CAKF040B 10 m 50 m R88A-CAGD03S R88A-CAGD03B 10 m 3000-r/min Servomotors of 3 to 5 kW 3 m R88A-CAGD03S R88A-CAGD03B 3000-r/min Servomotors of 3 to 5 kW 10 m R88A-CAGD03S R88A-CAGD03B 30 m R88A-CAGD03S R88A-CAGD03B 10 m R88A-CAGD03S 100 m	3,000-r/min Servomotors of 1 to 2 kW	15 m	R88A-CAGB015S	R88A-CAGB015B
30 m R88A-CAGB030S R88A-CAGB040B 40 m R88A-CAGB040S R88A-CAGB040B 50 m R88A-CAGB050S R88A-CAGB050B 50 m R88A-CAGB03S R88A-CAGB050B 30 m R88A-CAGB003S R88A-CAGB050B 3 m R88A-CAGB003S R88A-CAKF003B 5 m R88A-CAGB010S R88A-CAKF010B 10 m R88A-CAGB015S R88A-CAKF015B 2.000-r/min Servomotors of 400 W to 2 kW 20 m R88A-CAGB030S R88A-CAKF020B 1,000-r/min Servomotors of 900 W 20 m R88A-CAGB030S R88A-CAKF030B 20 m R88A-CAGB030S R88A-CAKF030B 88A-CAKF030B 30 m R88A-CAGB030S R88A-CAKF030B 88A-CAKF030B 40 m R88A-CAGB03S R88A-CAKF030B 88A-CAKF050B 30 m R88A-CAGD03S R88A-CAKF050B 88A-CAKF050B 30 m R88A-CAGD03S R88A-CAGD03B 5 m 50 m R88A-CAGD03S R88A-CAGD03B 5 m 10 m R88A-CAGD02S R88A-CAGD015B 20 m		20 m	R88A-CAGB020S	R88A-CAGB020B
50 mR88A-CAGB050SR88A-CAGB050B10 mR88A-CAGB003SR88A-CAKF003B3,000-r/min Servomotors of 750 W to 2 kW10 mR88A-CAGB010SR88A-CAKF010B3,000-r/min Servomotors of 400 W to 2 kW15 mR88A-CAGB01SSR88A-CAKF015B2,000-r/min Servomotors of 900 W15 mR88A-CAGB003SR88A-CAKF015B3 0 mR88A-CAGB000SR88A-CAKF000B10 m3 0 mR88A-CAGB000SR88A-CAKF000B3 0 mR88A-CAGB000SR88A-CAKF000B3 0 mR88A-CAGB000SR88A-CAKF000B5 0 mR88A-CAGB000SR88A-CAKF000B5 0 mR88A-CAGD003SR88A-CAKF000B5 0 mR88A-CAGD003SR88A-CAGD003B3,000-r/min Servomotors of 3 to 5 kW10 mR88A-CAGD005S2,000-r/min Servomotors of 2 to 4.5 kW20 mR88A-CAGD010S3 0 mR88A-CAGD003SR88A-CAGD010B1 0 mR88A-CAGD003SR88A-CAGD010B3 0 mR88A-CAGD003SR88A-CAGD010B3 0 mR88A-CAGD003SR88A-CAGD010B3 0 mR88A-CAGD003SR88A-CAGD010B3 0 mR88A-CAGD003SR88A-CAGD003B3 0 mR88A-CAGD003SR88A-CAGD003B3 0 mR88A-CAGD003SR88A-CAGD003B3 0 mR88A-CAGD003SR88A-CAGD003B3 0 mR88A-CAGD003SR88A-CAGD003B3 0 mR88A-CAGD003SR88A-CAGD003B3 0 mR88A-CAGD003SR88A-CAGD003B3 0 mR88A-CAGD003SR88A-CAGD003B3 0 mR88A-CAGD003S<	1,000-1/11111 Servolitotors 01 900 W	30 m	R88A-CAGB030S	R88A-CAGB030B
3 m R88A-CAGB003S R88A-CAKF003B 5 m R88A-CAGB005S R88A-CAKF005B 10 m R88A-CAGB010S R88A-CAKF010B 3,000-r/min Servomotors of 400 W to 2 kW 15 m R88A-CAGB015S R88A-CAKF015B 2,000-r/min Servomotors of 900 W 20 m R88A-CAGB020S R88A-CAKF020B 1,000-r/min Servomotors of 900 W 20 m R88A-CAGB030S R88A-CAKF020B 1,000-r/min Servomotors of 900 W 20 m R88A-CAGB030S R88A-CAKF030B 40 m R88A-CAGB030S R88A-CAKF030B 40 m R88A-CAGB030S R88A-CAKF030B 50 m R88A-CAGB030S R88A-CAKF030B 50 m R88A-CAGD03S R88A-CAKF050B 50 m R88A-CAGD03S R88A-CAGD03B 50 m R88A-CAGD015S R88A-CAGD03B 50 m R88A-CAGD015S R88A-CAGD015B 200 m R88A-CAGD03S R88A-CAGD03B 10 m R88A-CAGD03S R88A-CAGD03B 20 m R88A-CAGD03S R88A-CAGD03B 10 m R88A-CAGD03S R88A-CAGD03B <		40 m	R88A-CAGB040S	R88A-CAGB040B
[400 V] 5 m R88A-CAGB005S R88A-CAKF005B 10 m R88A-CAGB010S R88A-CAKF010B 3,000-r/min Servomotors of 400 W to 2 kW 15 m R88A-CAGB015S R88A-CAKF015B 2000 -r/min Servomotors of 400 W to 2 kW 20 m R88A-CAGB020S R88A-CAKF020B 30 m R88A-CAGB030S R88A-CAKF030B 40 m R88A-CAGB040S R88A-CAKF040B 50 m R88A-CAGB000SS R88A-CAKF050B 30 m R88A-CAGB000S R88A-CAKF050B 30 m R88A-CAGD003S R88A-CAKF050B 30 m R88A-CAGD003S R88A-CAGD003B 5 m R88A-CAGD003S R88A-CAGD003B 5 m R88A-CAGD010S R88A-CAGD005B 10 m R88A-CAGD015S R88A-CAGD015B 2000 -r/min Servomotors of 3 to 5 kW 20 m R88A-CAGD020S R88A-CAGD020B 1000 r/min Servomotors of 2 to 4.5 kW 10 m R88A-CAGD030S R88A-CAGD020B 1000 r/min Servomotors of 2 to 4.5 kW 10 m R88A-CAGD030S R88A-CAGD030B 1000 r/min Servomotors of 2 to 4.5 kW 10 m		50 m	R88A-CAGB050S	R88A-CAGB050B
[400 V] 10 m R88A-CAGB010S R88A-CAKF010B 3,000-r/min Servomotors of 400 W to 2 kW 15 m R88A-CAGB015S R88A-CAKF015B 2,000-r/min Servomotors of 900 W 20 m R88A-CAGB020S R88A-CAKF020B 30 m R88A-CAGB030S R88A-CAKF030B 40 m 40 m R88A-CAGB040S R88A-CAKF030B 40 m R88A-CAGB050S R88A-CAKF030B 50 m R88A-CAGD03S R88A-CAGD003B 50 m R88A-CAGD003S R88A-CAGD003B 50 m R88A-CAGD010S R88A-CAGD005B 10 m R88A-CAGD010S R88A-CAGD010B 3,000-r/min Servomotors of 3 to 5 kW 10 m R88A-CAGD020S 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 10 m R88A-CAGD030S R88A-CAGD020B 1,000-r/min Servomotors of 3 to 5 kW 20 m R88A-CAGD040S R88A-CAGD020B 1,000-r/min Servomotors of 7 to 4.5 kW 30 m R88A-CAGD030S R88A-CAGD030B 10 m R88A-CAGE003S <		3 m	R88A-CAGB003S	R88A-CAKF003B
[400 V] 15 m R88A-CAGB015S R88A-CAKF015B 2,000-r/min Servomotors of 400 W to 2 kW 10 m R88A-CAGB020S R88A-CAKF020B 1,000-r/min Servomotors of 900 W 30 m R88A-CAGB030S R88A-CAKF030B 30 m R88A-CAGB040S R88A-CAKF040B 888A-CAKF050B 30 m R88A-CAGB050S R88A-CAGD003B 888A-CAGD003B 50 m R88A-CAGD003S R88A-CAGD003B 888A-CAGD003B 50 m R88A-CAGD010S R88A-CAGD005B 888A-CAGD010B 3,000-r/min Servomotors of 3 to 5 kW 10 m R88A-CAGD010S R88A-CAGD015B 20 m R88A-CAGD020S R88A-CAGD020B 15 m R88A-CAGD020S 1,000-r/min Servomotors of 3 to 5 kW 20 m R88A-CAGD020S R88A-CAGD020B 30 m 1,000-r/min Servomotors of 2 to 4.5 kW 10 m R88A-CAGD020S R88A-CAGD020B 30 m 1,000-r/min Servomotors of 2 to 4.5 kW 10 m R88A-CAGD030S R88A-CAGD040B 50 m 1,000-r/min Servomotors of 7 to 5 kW 10 m R88A-CAGE003S R88A-CAGD050B 50 m 1,000-r/min		5 m	R88A-CAGB005S	R88A-CAKF005B
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 30 m R88A-CAGB030S R88A-CAKF030B 40 m R88A-CAGB040S R88A-CAKF040B 50 m R88A-CAGB050S R88A-CAKF050B 80 m R88A-CAGD03S R88A-CAGD003B 50 m R88A-CAGD003S R88A-CAGD003B 50 m R88A-CAGD010S R88A-CAGD003B 50 m R88A-CAGD010S R88A-CAGD010B 50 m R88A-CAGD010S R88A-CAGD010B 3,000-r/min Servomotors of 3 to 5 kW 10 m R88A-CAGD015S R88A-CAGD010B 3,000-r/min Servomotors of 2 to 4.5 kW 20 m R88A-CAGD020S R88A-CAGD020B 1,000-r/min Servomotors of 2 to 4.5 kW 20 m R88A-CAGD030S R88A-CAGD030B 40 m R88A-CAGD030S R88A-CAGD030B R88A-CAGD030B 10 m R88A-CAGD030S R88A-CAGD040B R88A-CAGD030B 10 m R88A-CAGE003S R88A-CAGD050B R88A-CAGD050B 1	[400 V]	10 m	R88A-CAGB010S	R88A-CAKF010B
1,000-r/min Servomotors of 900 W 100 m 100 A CAGB0200 1100 A CAGB0200 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 10 m R88A-CAGD010S R88A-CAGD010B 3,000-r/min Servomotors of 3 to 5 kW 10 m R88A-CAGD010S 2,000-r/min Servomotors of 3 to 5 kW 20 m R88A-CAGD020S R88A-CAGD020B 1,000-r/min Servomotors of 3 to 5 kW 20 m R88A-CAGD020S R88A-CAGD020B 30 m R88A-CAGD030S R88A-CAGD020B R88A-CAGD020B 30 m R88A-CAGD020S R88A-CAGD020B 30 m 1,000-r/min Servomotors of 3 to 5 kW 20 m R88A-CAGD030S R88A-CAGD030B 30 m R88A-CAGD030S R88A-CAGD030B 30 m 1,000-r/min Servomotors of 3 to 5 kW 30 m R88A-CAGD030S R88A-CAGD030B 30 m R88A-CAGD030S R88A-CAGD030B 888A-CAGD030B <	3,000-r/min Servomotors of 750 W to 2 kW	15 m	R88A-CAGB015S	R88A-CAKF015B
30 m R88A-CAGB030S R88A-CAKF030B 40 m R88A-CAGB040S R88A-CAKF040B 50 m R88A-CAGB050S R88A-CAKF050B 30 m R88A-CAGD003S R88A-CAGD003B 5 m R88A-CAGD005S R88A-CAGD005B 10 m R88A-CAGD010S R88A-CAGD010B 10 m R88A-CAGD015S R88A-CAGD015B 2000-r/min Servomotors of 3 to 5 kW 10 m R88A-CAGD020S 1,000-r/min Servomotors of 2 to 4.5 kW 20 m R88A-CAGD03S R88A-CAGD020B 30 m R88A-CAGD030S R88A-CAGD030B 888A-CAGD030B 1,000-r/min Servomotors of 2 to 4.5 kW 30 m R88A-CAGD040S R88A-CAGD030B 10 m R88A-CAGD050S R88A-CAGD030B 888A-CAGD030B 10 m R88A-CAGD050S R88A-CAGD040B 50 m 10 m R88A-CAGE003S R88A-CAGD050B 888A-CAGD050B 10 m R88A-CAGE005S 10 m R88A-CAGE005S 10 m R88A-CAGE010S 15 m R88A-CAGE015S 15 m R88A-CAGE015S 15 m R88A-CAGE		20 m	R88A-CAGB020S	R88A-CAKF020B
50 m R88A-CAGB050S R88A-CAKF050B 3 m R88A-CAGD003S R88A-CAGD003B 5 m R88A-CAGD005S R88A-CAGD005B 10 m R88A-CAGD010S R88A-CAGD010B 3,000-r/min Servomotors of 3 to 5 kW 10 m R88A-CAGD015S R88A-CAGD015B 2000-r/min Servomotors of 3 to 5 kW 15 m R88A-CAGD020S R88A-CAGD020B 1,000-r/min Servomotors of 2 to 4.5 kW 20 m R88A-CAGD030S R88A-CAGD020B 30 m R88A-CAGD040S R88A-CAGD030B R88A-CAGD030B 40 m R88A-CAGD040S R88A-CAGD040B R88A-CAGD040B 50 m R88A-CAGE003S R88A-CAGD050B R88A-CAGD050B [200 V] [400 V] 10 m R88A-CAGE003S R88A-CAGD050B 1,500-r/min Servomotors of 7.5 kW 15 m R88A-CAGE010S R88A-CAGE010S	1,000-1/11111 Servolitotors 01 900 W	30 m	R88A-CAGB030S	R88A-CAKF030B
3 m R88A-CAGD003S R88A-CAGD003B 5 m R88A-CAGD005S R88A-CAGD005B 3,000-r/min Servomotors of 3 to 5 kW 10 m R88A-CAGD010S R88A-CAGD010B 2,000-r/min Servomotors of 3 to 5 kW 15 m R88A-CAGD020S R88A-CAGD020B 20 m R88A-CAGD030S R88A-CAGD020B R88A-CAGD020B 30 m R88A-CAGD030S R88A-CAGD030B 40 m R88A-CAGD040S R88A-CAGD040B 50 m R88A-CAGD050S R88A-CAGD040B 50 m R88A-CAGE003S R88A-CAGD050B 10 m R88A-CAGE003S R88A-CAGD040B 50 m R88A-CAGE003S R88A-CAGD050B 10 m R88A-CAGE003S R88A-CAGD050B 50 m R88A-CAGE003S R88A-CAGE005S 10 m R88A-CAGE005S R88A-CAGE005S 10 m R88A-CAGE010S R88A-CAGE015S 10 m R88A-CAGE015S R88A-CAGE015S		40 m	R88A-CAGB040S	R88A-CAKF040B
5 m R88A-CAGD005S R88A-CAGD005B 10 m R88A-CAGD010S R88A-CAGD010B 3,000-r/min Servomotors of 3 to 5 kW 15 m R88A-CAGD015S R88A-CAGD015B 20 m R88A-CAGD020S R88A-CAGD020B R88A-CAGD020B 30 m R88A-CAGD030S R88A-CAGD030B R88A-CAGD030B 40 m R88A-CAGD040S R88A-CAGD040B R88A-CAGD040B 50 m R88A-CAGD050S R88A-CAGD040B R88A-CAGD040B 50 m R88A-CAGE003S R88A-CAGD050B R88A-CAGD050B 10 m R88A-CAGE003S R88A-CAGD050B R88A-CAGD050B 10 m R88A-CAGE003S R88A-CAGD050B R88A-CAGD050B 10 m R88A-CAGE010S R88A-CAGE005S R88A-CAGE015S 10 m R88A-CAGE015S R88A-CAGE015S R88A-CAGE015S		50 m	R88A-CAGB050S	R88A-CAKF050B
I0 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 R88A-CAGD040B 50 m R88A-CAGD050S R88A-CAGD050B R88A-CAGD050B 10 m R88A-CAGE003S R88A-CAGD050B R88A-CAGD050B 10 m R88A-CAGE003S R88A-CAGD050B R88A-CAGD050B 10 m R88A-CAGE003S R88A-CAGD050B R88A-CAGD050B 10 m R88A-CAGE010S R88A-CAGD050B R88A-CAGD050B 10 m R88A-CAGE010S R88A-CAGE010S R88A-CAGE010S 10 m R88A-CAGE010S R88A-CAGE010S R88A-CAGE010S		3 m	R88A-CAGD003S	R88A-CAGD003B
[200 V] [400 V] 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 20 m R88A-CAGD030S R88A-CAGD030B 40 m R88A-CAGD040S R88A-CAGD040B 888A-CAGD040B 50 m R88A-CAGD050S R88A-CAGD040B 50 m R88A-CAGE003S R88A-CAGD050B 10 m R88A-CAGE003S R88A-CAGD050B 10 m R88A-CAGE010S 15 m 15 m R88A-CAGE010S 15 m 15 m R88A-CAGE010S 88A-CAGD050B		5 m	R88A-CAGD005S	R88A-CAGD005B
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 50 m R88A-CAGE003S R88A-CAGD050B 50 m R88A-CAGE003S R88A-CAGD050B 10 m R88A-CAGE003S R88A-CAGD050B 10 m R88A-CAGE005S R88A-CAGD050B 10 m R88A-CAGE010S R88A-CAGE015S 10 m R88A-CAGE015S R88A-CAGE015S 15 m R88A-CAGE015S R88A-CAGE015S	[200 V] [400 V]	10 m	R88A-CAGD010S	R88A-CAGD010B
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-CAGD040B 50 m R88A-CAGE003S R88A-CAGD050B 10 m R88A-CAGE003S R88A-CAGD050B 10 m R88A-CAGE005S R88A-CAGD050B 10 m R88A-CAGE010S R88A-CAGE010S 15 m R88A-CAGE015S R88A-CAGE015S	3,000-r/min Servomotors of 3 to 5 kW	15 m	R88A-CAGD015S	R88A-CAGD015B
30 m R88A-CAGD030S R88A-CAGD030B 40 m R88A-CAGD040S R88A-CAGD040B 50 m R88A-CAGD050S R88A-CAGD050B 3 m R88A-CAGE003S R88A-CAGD050B 5 m R88A-CAGE003S R88A-CAGD050B 10 m R88A-CAGE005S R88A-CAGE010S 10 m R88A-CAGE010S R88A-CAGE015S 1,500-r/min Servomotors of 7.5 kW 20 Data Alage 2000		20 m	R88A-CAGD020S	R88A-CAGD020B
50 m R88A-CAGD050S R88A-CAGD050B 3 m R88A-CAGE003S 5 m 5 m R88A-CAGE005S 10 m 10 m R88A-CAGE010S 15 m 15 m R88A-CAGE015S 15 m 1,500-r/min Servomotors of 7.5 kW 20 D88A-CAGE015S	1,000-1/11111 Sel Volliotors 01 2 to 4.5 kW	30 m	R88A-CAGD030S	R88A-CAGD030B
3 m R88A-CAGE003S 5 m R88A-CAGE005S 10 m R88A-CAGE010S 15 m R88A-CAGE010S 15 m R88A-CAGE015S 1,500-r/min Servomotors of 7.5 kW 20		40 m	R88A-CAGD040S	R88A-CAGD040B
5 m R88A-CAGE005S 10 m R88A-CAGE010S [200 V] [400 V] 15 m 1,500-r/min Servomotors of 7.5 kW 20		50 m	R88A-CAGD050S	R88A-CAGD050B
[200 V] [400 V] 10 m R88A-CAGE010S 1,500-r/min Servomotors of 7.5 kW 15 m R88A-CAGE015S		3 m	R88A-CAGE003S	
Image: 1200 V] Image: 15 m R88A-CAGE015S 1,500-r/min Servomotors of 7.5 kW Image: 15 m R88A-CAGE015S		5 m	R88A-CAGE005S	
1,500-r/min Servomotors of 7.5 kW		10 m	R88A-CAGE010S	
		15 m	R88A-CAGE015S	
	1,000-r/min Servomotors of 6 kW	20 m	R88A-CAGE020S	
30 m R88A-CAGE030S		30 m	R88A-CAGE030S	
40 m R88A-CAGE040S		40 m	R88A-CAGE040S	
50 m R88A-CAGE050S		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	
[200 V][400 V]	3 m	R88A-CAGE003B	
	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 a sifila shi su s		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
opecifications		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	20 m	R88A-CAGB020SR	R88A-CAGB020BR
1,000-r/min Servomotors of 900 W	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
[400 V] 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 incremental encoders)	20 m	R88A-CRKA020CR	
	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	
1,000-//min Servomotors 2,000-r/min Servomotors 2,000-r/min Servomotors 1,500-r/min Servomotors 1,000-r/min Servomotors	20 m	R88A-CRKC020NR	
	30 m	R88A-CRKC030NR	
	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	nose Input	Length 1.0 m	XW2Z-100J-B24
Connector Terminal Block Cables	General-pui	General-purpose Input		XW2Z-200J-B24
Connector Terminal Block Cables	MECHATRO	DLINK-II Communications	Length 1.0 m	XW2Z-100J-B34
	EtherCAT C	ommunications	Length 2.0 m	XW2Z-200J-B34
	General- purpose Input	Conversion Unit for General-purpose Controllers (M3 screws)	Through type	XW2B-50G4
		Conversion Unit for General-purpose Controllers (M3.5 screws)	Through type	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)	Through type	XW2B-20G5
		Conversion Unit for General-purpose Controllers (M3 screws)	Slim type	XW2D-20G6

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

Connection Cables (for CN1)

Specifications		The number	Length	Model
Name	Unit	of axes	Length	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	03111-10234/434		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	IOF LAXIS	3 m	XW2Z-300J-G13
or 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
			3 m	R88A-CPG003M2
			5 m	R88A-CPG005M2
General-purpose Control Cables with	Cables for Caparal purpass Castrollars		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		
		Normal wiring	Length 0.5 m	XW2Z-C50X	
			Length 1.0 m	XW2Z-100X	
	Connection		Length 2.0 m	XW2Z-200X	
	Cables		Length 3.0 m	XW2Z-300X	
			Length 5.0 m	XW2Z-500X	
			Length 10.0 m	XW2Z-010X	
	Connector	20 pin M2.4 screw Terminal Block type	Through type	XW2B-20G4	
	Terminal Block	20 pin M3.5 screw Terminal Block type	Through type	XW2B-20G5	
	Conversion Unit	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

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	2 m	XW2Z-200J-B25
For CJ2M-CPU31/CPU32/CPU33/CPU34/CPU35	1 m	XW2Z-100J-B31
For CJ2M-CPU11/CPU12/CPU13/CPU14/CPU15 (XW2B-20J6-8A, XW2B-40J6-9A)	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

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			0.5 m	XW2Z-050J-A18
For CJ1W-NC133 (XW2B-20J6-1B)		IOF 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 2215	1 m	XW2Z-100J-A11
CJ1W open collector output type		for 1 axis	0.5 m	XW2Z-050J-A14
or CJ1W-NC113 (XW2B-20J6-1B)		101 1 2215	1 m	XW2Z-100J-A14
CJ1W open collector output type		for 2 axis	0.5 m	XW2Z-050J-A15
or CJ1W-NC213/NC413 (XW2B-40J6-	-2B)	IUI Z AXIS	1 m	XW2Z-100J-A15
CS1W/C200HW open collector output ty or CS1W-NC113	ype	for 1 axis	0.5 m	XW2Z-050J-A6
or C200HW-NC113 (XW2B-20J6-1B)		101 1 4/13	1 m	XW2Z-100J-A6
CS1W/C200HW open collector output ty	ype	for 2 axis	0.5 m	XW2Z-050J-A7
For C200HW-NC213/NC413 (XW2B-40	J6-2B)			XW2Z-100J-A7
CJ1M open collector output type			0.5 m	XW2Z-050J-A33
or CJ2M-CPU31/CPU32/CPU33/CPU or CJ2M-CPU11/CPU12/CPU13/CPU XW2B-20J6-8A, XW2B-40J6-9A)			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
XW2B-80J7-12A)	0		0.5 m	XW2Z-050J-A31
	Special I/O (40 pin)	for 2 axis	1 m	XW2Z-100J-A31
	(40 pin)		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
XW2B-80J7-12A)			0.5 m	XW2Z-050J-A30
	Special I/O (40 pin)	for 2 axis	1 m	XW2Z-100J-A30
	(40 pm)		2 m	XW2Z-200J-A30

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 model number	
		0.5 m	FNY-W6002-A5	JEPMC-W6002-A5-E	
MECHATROLINK-II Cables	oth anda)	1.0 m	FNY-W6002-01	JEPMC-W6002-01-E	
(without ring core and USB connector on be * 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	ends)	5.0 m	FNY-W6003-05	JEPMC-W6003-05	
	ondo)	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	
MECHATROLINK-II Repeater	Communicatio	ons Repeater	FNY-REP2000	JEPMC-REP2000	

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

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

Item	Appearance	Recommended manufacturer	Cable length(m)	Model
			0.3	XS5W-T421-AMD-K
			0.5	XS5W-T421-BMD-K
Cable with Connectors on Both Ends	***	OMBON	1	XS5W-T421-CMD-K
(RJ45/RJ45)		OMRON	2	XS5W-T421-DMD-K
			5	XS5W-T421-GMD-K
			10	XS5W-T421-JMD-K
	a 0 a	OMRON	0.3	XS5W-T421-AMC-K
			0.5	XS5W-T421-BMC-K
Cable with Connectors on Both Ends			1	XS5W-T421-CMC-K
(M12/RJ45)			2	XS5W-T421-DMC-K
			5	XS5W-T421-GMC-K
			10	XS5W-T421-JMC-K

Note: The cable length 0.3, 0.5, 1, 2, 3, 5, 10 and 15m are available. For details, refer to Cat.No.G019.

Cables / Connectors

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

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

* 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 *
RJ45 Assembly Connector		OMRON	XS6G-T421-1 *

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

Note: Connect both ends of cable shielded wires to the connector hoods.

■ 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	ecifications		
General-purpose Inputs	MECHATROLINK-II Communications	EtherCAT Communications	Linear Motor with built-in EtherCAT communications	Model
R88D-KTA5L/-KT01H (For single-phase input)	R88D-KNA5L-ML2/-KN01H-ML2 (For single-phase input)	R88D-KNA5L-ECT/-KN01H-ECT (For single-phase input)	R88D-KN01H-ECT-L (For single-phase input)	3G3AX-DL2002
R88D-KT01L/-KT02H (For single-phase input)	R88D-KN01L-ML2/-KN02H-ML2 (For single-phase input)	R88D-KN01L-ECT/-KN02H-ECT (For single-phase input)	R88D-KN01L-ECT-L/-KN02H-ECT-L (For single-phase input)	3G3AX-DL2004
R88D-KT02L/-KT04H (For single-phase input)	R88D-KN02L-ML2/-KN04H-ML2 (For single-phase input)	R88D-KN02L-ECT/-KN04H-ECT (For single-phase input)	R88D-KN02L-ECT-L/-KN04H-ECT-L (For single-phase input)	3G3AX-DL2007
R88D-KT04L/-KT08H/ -KT10H (For single-phase input)	R88D-KN04L-ML2/-KN08H-ML2/ -KN10H-ML2 (For single-phase input)	R88D-KN04L-ECT/-KN08H-ECT/ -KN10H-ECT (For single-phase input)	R88D-KN04L-ECT-L/-KN08H-ECT-L/ -KN10H-ECT-L (For single-phase input)	3G3AX-DL2015
R88D-KT15H (For single-phase input)	R88D-KN15H-ML2 (For single-phase input)	R88D-KN15H-ECT (For single-phase input)	R88D-KN15H-ECT-L (For single-phase input)	3G3AX-DL2022
R88D-KT01H/-KT02H/ -KT04H/-KT08H/ -KT10H/-KT15H (For three-phase input)	R88D-KN01H-ML2/-KN02H-ML2/ -KN04H-ML2/-KN08H-ML2/ -KN10H-ML2/-KN15H-ML2 (For three-phase input)	R88D-KN01H-ECT/-KN02H-ECT/ -KN04H-ECT/KN08H-ECT/ -KN10H-ECT/-KN15H-ECT (For three-phase input)	R88D-KN01H-ECT-L/-KN02H-ECT-L/ -KN04H-ECT-L/-KN08H-ECT-L/ -KN10H-ECT-L/-KN15H-ECT-L (For three-phase input)	3G3AX-AL2025
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
R88D-KT06F/-KT10F/-KT15F	R88D-KN06F-ML2/-KN10F-ML2/ -KN15F-ML2	R88D-KN06F-ECT/-KN10F-ECT/ -KN15F-ECT	R88D-KN06F-ECT-L/-KN10F-ECT-L/ -KN15F-ECT-L	3G3AX-AL4025
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), Vista, 7 or 8 Note: Except for Windows XP 64-bit version. CX-One Version.4.□ includes CX-Drive Ver.2.□.	1 license *1	DVD *2	CXONE-AL01D-V4	_

***1.** Multi licenses are available for the CX-One (3, 10, 30, or 50 licenses). ***2.** The CX-One is also available on CD (CXONE-AL_C-V4).

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.

B					0
Product name	Specifications	Number of licenses	Media	Model	Standards
Sysmac Studio	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. Sysmac Studio runs on the following OS. Windows XP (Service Pack 3 or higher, 32-bit version)/ Vista (32-bit version) / 7 (32-bit/64-bit version)	_ (Media only)	DVD	SYSMAC-SE200D	-
Sysmac Studio Standard Edition Ver.1.	The Sysmac Studio Standard Edition DVD includes 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 the Sysmac Integrated Catalogue (P072).	1 license *	_	SYSMAC-SE201L	-

* 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

Dower Cumply		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 10 240 140	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

Power Supply Voltage		Servo Drive Model Numbers			Servomotor Model Numbers			
	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 (Also used with R88M- K10030	R88G-HPG11B09050B (Gear ratio 1/9)	R88G-HPG14A21100B□ (Also used with R88M- K10030□)	R88G-HPG14A33050B	R88G-HPG14A45050B
R88M-K10030	R88G-HPG11B05100B	R88G-HPG14A11100B	R88G-HPG14A21100B	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-HPG32A052K0B (Also used with R88M- K2K030	R88G-HPG32A112K0B (Also used with R88M- K2K030	R88G-HPG32A211K5B (Also used with R88M- K1K5030	R88G- HPG32A33600SB (Also used with R88M- K60020	R88G-HPG50A451K5B (Also used with R88M- K1K530
R88M-K1K030	R88G-HPG32A052K0B (Also used with R88M- K2K030	R88G-HPG32A112K0B (Also used with R88M- K2K030	R88G-HPG32A211K5B (Also used with R88M- K1K5030□)	R88G-HPG50A332K0B (Also used with R88M- K2K030	R88G-HPG50A451K5B□ (Also used with R88M- K1K530□)
R88M-K1K530	R88G-HPG32A052K0B (Also used with R88M- K2K030	R88G-HPG32A112K0B (Also used with R88M- K2K030	R88G-HPG32A211K5B	R88G-HPG50A332K0B (Also used with R88M- K2K030	R88G-HPG50A451K5B
R88M-K2K030	R88G-HPG32A052K0B	R88G-HPG32A112K0B	R88G-HPG50A212K0B	R88G-HPG50A332K0B	_
R88M-K3K030	R88G-HPG32A053K0B	R88G-HPG50A113K0B	R88G-HPG50A213K0B	-	_
R88M-K4K030□	R88G-HPG32A054K0B	R88G-HPG50A115K0B (Also used with R88M- K5K030□)	_	_	-
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 (Also used with R88M- K2K030	R88G-HPG32A112K0B (Also used with R88M- K2K030	R88G-HPG32A211K5B (Also used with R88M- K1K5030	R88G- HPG32A33600SB□ (Also used with R88M- K60020□)	R88G- HPG32A45400SB□
R88M-K60020□ (Only 400 V)	R88G-HPG32A052K0B (Also used with R88M- K2K030	R88G-HPG32A112K0B (Also used with R88M- K2K030	R88G-HPG32A211K5B□ (Also used with R88M- K1K5030□)	R88G- HPG32A33600SB□	R88G-HPG50A451K5B (R88M-K1K530])
R88M-K1K020□	R88G-HPG32A053K0B (Also used with R88M- K3K030	R88G- HPG32A112K0SB□ (Also used with R88M- K2K020□)	R88G- HPG32A211K0SB⊡	R88G- HPG50A332K0SB (Also used with R88M- K2K020)	R88G- HPG50A451K0SB⊡
R88M-K1K520□	R88G-HPG32A053K0B (Also used with R88M- K3K030)	R88G- HPG32A112K0SB□ (Also used with R88M- K2K020□)	R88G-HPG50A213K0B (Also used with R88M- K3K030	R88G- HPG50A332K0SB (Also used with R88M- K2K020	_
R88M-K2K020	R88G-HPG32A053K0B (Also used with R88M- K3K030	R88G- HPG32A112K0SB□	R88G-HPG50A213K0B (Also used with R88M- K3K030	R88G- HPG50A332K0SB□	_
R88M-K3K020	R88G-HPG32A054K0B (Also used with R88M- K4K030	R88G-HPG50A115K0B (Also used with R88M- K5K030	R88G- HPG50A213K0SB□	R88G- HPG65A253K0SB□	-
R88M-K4K020□	R88G- HPG50A055K0SB□ (Also used with R88M- K5K020□)	R88G- HPG50A115K0SB□ (Also used with R88M- K3K030□)	R88G- HPG65A205K0SB□ (Also used with R88M- K3K030□)	R88G- HPG65A255K0SB (Also used with R88M- K5K020	_
R88M-K5K020	R88G- HPG50A055K0SB	R88G- HPG50A115K0SB□	R88G- HPG65A205K0SB□	R88G- 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 (Also used with R88M- K5K020	R88G-HPG65A255K0SB (Also used with R88M- K5K020□)
R88M-K3K010	R88G-HPG50A055K0SB (Also used with R88M- K5K020	R88G-HPG50A115K0SB (Also used with R88M- K5K020	R88G-HPG65A205K0SB (Also used with R88M- K5K020□)	R88G-HPG65A255K0SB (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
NOOL-EC-FW-0009-ANFC	400	R88D-KN20F-ECT-L	8
R88L-EC-FW-0612-ANPC	200	R88D-KN15H-ECT-L	4
	400	R88D-KN30F-ECT-L	8
R88L-EC-FW-1112-ANPC	200	R88D-KN15H-ECT-L	2
HOOL-LO-I W-THIZ-ANFC	400	R88D-KN30F-ECT-L	4
R88L-EC-FW-1115-ANPC	200	R88D-KN15H-ECT-L	2
NOOL-EC-FW-1113-ANPC	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
N002-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
N00L-EC-GW-0503-ANF5	200	R88D-KN02H-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
	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
R88L-EC-GW-0703-ANPS	200	R88D-KN04H-ECT-L	2.4
	100	R88D-KN04L-ECT-L	1.2
R88L-EC-GW-0706-ANPS	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	Posit	Position Control Unit Cable		rvo Relay Unit	Servo Drive Cable	
CS1W-NC113						
C200HW-NC113		XW2Z-□□□J-A6	X	W2B-20J6-1B		
CS1W-NC213						
CS1W-NC413		XW2Z-□□□J-A7	×	W2B-40J6-2B		
C200HW-NC213		XVV2Z-LLLJ-A7	^	W2D-40J0-2D		
C200HW-NC413						
CS1W-NC133		(W2Z-□□□J-A10	X	W2B-20J6-1B		
CS1W-NC233		(W2Z-□□□J-A11	~	W2B-40J6-2B	XW2Z-DDJ-B25	
CS1W-NC433		\vv2Z-LLLJ-ATT	^	W2D-40J0-2D		
CJ1W-NC113		(W2ZJ-A14	X	W2B-20J6-1B		
CJ1W-NC213		- XW2Z-□□□J-A15 XW2B-40J6-2B				
CJ1W-NC413				W2D-4000-2D		
CJ1W-NC133 XW2Z-		KW2ZJ-A18	XW2B-20J6-1B			
CJ1W-NC233		XW2Z-□□□J-A19 XW2B-40J6-2B				
CJ1W-NC433		WZZ-LLLJ-A19	^	W2D-4000-2D		
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	CJ2M-CPU11 XW2Z-LLLJ-A33 CJ2M-CPU12 CJ2M-CPU13 CJ2M-CPU14		For 2 axis	XW2B-40J6-9A	XW2Z-□□J-B31	
FQM1-MMP22	General- purpose I/O	XW2Z-□□□J-A28			XW2Z-□□□J-B26	
	Special I/O	XW2Z-00J-A30	V	W2B-80J7-12A		
FQM1-MMA22	General- purpose I/O			W2D-0UJ7-12A	XW2Z-□□□J-B27	
	Special I/O	XW2Z-DDJ-A31				

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-00J-G13
For CJ1W-NC214/-NC414 (open collector output type)	2 axis	XW2Z-🗆 J-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

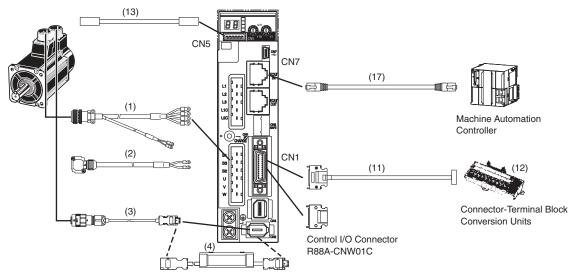
Motion Control Unit Cables

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.

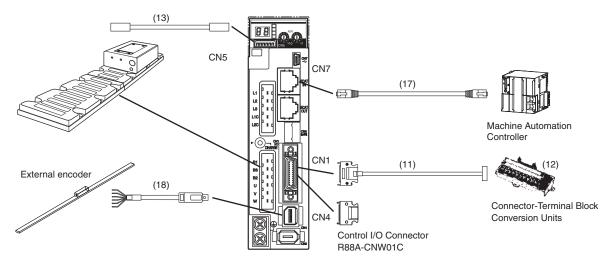
Motion Control Unit		Cable	Remarks
CS1W-MC221-V1	For 1 axis	R88A-CPG	The D digits in the model number indicate the cable length.
CS1W-MC421-V1	For 2 axis		Motion Control Unit Cables come in four lengths: 1 m, 2 m, 3 m, and 5 m. Example model number for 2-m 1-axis cable: R88A-CPG002M1

Cable Combinations

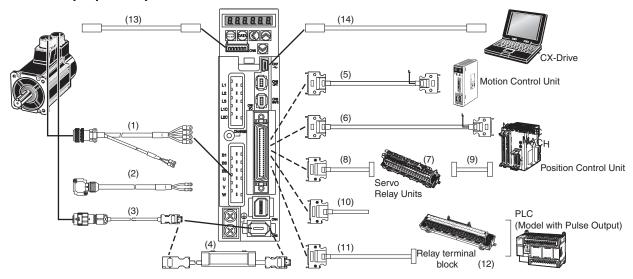
• EtherCAT Communications

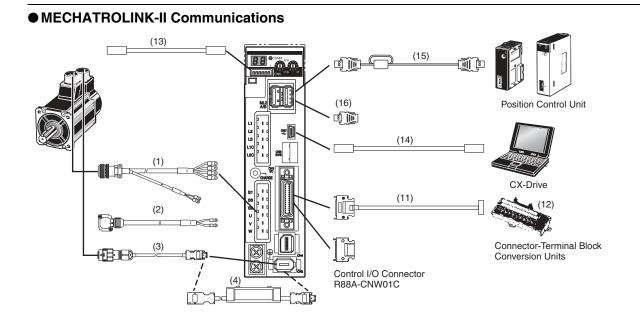


• EtherCAT Communications Linear Motor Type



• General-purpose Input





AC Servomotor/Drive G5-series

Servomotor Power Cables (For CNB)

Symbol			Name	Connected to	Model	Desc	ription
				[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.		[Servomotor Connector] Angle plug: JN8FT045J1 (Japan Aviation Electronics Industry, Ltd.) Contact pins: ST-TMH-S-C1B-3500-A534G (Japan Aviation Electronics Industry, Ltd.)
	Non-flexible Cables	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 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.		[Servomotor Connector] Straight plug: NMS3106B20-4S (Japan Aviation Electronics Industry, Ltd.) Cable clamp: N/MS3057-12A (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 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.		[Servomotor Connector] Straight plug: N/MS3106B22-22S (Japan Aviation Electronics Industry, Ltd.) Cable clamp: N/MS3057-12A (Japan Aviation Electronics Industry, Ltd.)
(1)				[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.		[Servomotor Connector] Straight plug: N/MS3106B32-17S (Japan Aviation Electronics Industry, Ltd.) Cable clamp: N/MS3057-20A (Japan Aviation Electronics Industry, Ltd.)
	No				rs of 6 to 15 kW. When using	nd the brake on 100-V and 200-V, a Servomotor with a brake, two ca	3,000-r/min Servomotors of 50 to bles 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.		[Servomotor Connector] Straight plug: N/MS3106B20-18S (Japan Aviation Electronics Industry, Ltd.) Cable clamp: N/MS3057-12A (Japan Aviation Electronics Industry, Ltd.)
		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.		[Servomotor Connector] Straight plug: N/MS3106B24-11S (Japan Aviation Electronics Industry, Ltd.) [Cable clamp: 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 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.		[Servomotor Connector] Straight plug: N/MS3106B24-11S (Japan Aviation Electronics Industry, Ltd.) Cable clamp: N/MS3057-16A (Japan Aviation Electronics Industry, Ltd.)

AC Servomotor/Drive G5-series

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.) STTMH-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: N/MS3106B20-4S (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	d 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: N/MS3106B20-18S (Japan Aviation Electronics Industry, Ltd.) N/MS3057-12A (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: NMS3106B24-11S (Japan Aviation Electronics Industry, Ltd. (Japan Aviation Electronics Industry, Ltd. (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 [Servomotor Connector] Straight plug: N/MS3106B24-11S Magan Aviation Electronics Industry, Ltd.) Cable clamp: UNMS3057-16A (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 (Non-flexible Cables)	[100 V] [200 V] Cylindrical Servomotors, 3,000 r/min, 50 to 750 W	R88A-CAKA 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: JN4FT02SJ1-R (Japan Aviation Electronics Industry, Ltd.) ST-TMH-S-C1B-3500-(A534G) (Japan Aviation Electronics Industry, Ltd.)
(2)	Non-flexible		[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: NMS3106B14S-2S (Japan Aviation Electronics Industry, Ltd. NMS3057-6A (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 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.) (Japan Aviation Electronics Industry, Ltd.)

AC Servomotor/Drive G5-series

Encoder Cables (for CN2)

Symbol		Name	Connected to	Model	Description
	Cables	Standard Encodor	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.) (Molex Japan Co., Ltd.) (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 CR 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] L [Servomotor Connector] 55100-0670 (Molex Japan Co., Ltd.)
Neteri	Flexible	Robot 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 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.) (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
	Absolute Encoder Battery Cable	Battery not included	0.3 m	R88A-CRGD0R3C	43.5 300 43.5 90±5 110
(4)		One R88A-BAT01G Battery included.	0.3 m	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-DJ-G9 The empty boxes in the model number are for the cable length. The cable can be 1, 5, or 10 m long.
(0)	Control C	Direct connection cable for Position Control Unit (High-speed type)	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)			Open collector output type (High-speed type) for CJ1W-NC214/NC414	For 1 axis	XW2Z-□□J-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.

AC Servomotor/Drive G5-series

Symbol		Nai	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 1 axis	XW2B-20J6-8A	
				For CJ1M-CPU21/CPU22/CPU23	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-□□J-B25 The empty boxes in the model number are for the cable length. The cable can be 1, or 2 m long.	
(8)			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)		Si	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.	
	Connection		ion Cables Servo Relay Unit Cables for Position Control Units	CJ1W line-driver output type for CJ1W-NC133	For 1 axis	XW2Z- The empty boxes in the model number are for the cable length. The cable can be 0.5, or 1 m long.	
	Servo Relay Units/Connection				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 I	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.	
				CS1W line-driver output type for CS1W-NC233/NC433	For 2 axis	XW2Z-□□J-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- 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- 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-□□J-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.	

AC Servomotor/Drive G5-series

Symbol		Nai	ne		Connected to		Model
	ion Cables			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	Servo Relay Unit Cables for Position Control	For FQM1-MMA22 (Analog output)	Special I/O (40 pin)	For 2 axis	XW2Z- J-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		Units	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 S The empty boxes in the model number are for the cable length. The cable can be 0.5, or 1 m long.
(11)	Connector		Connector Terminal Block	Cable for General-purp	ose Controllers		XW2Z- The empty boxes in the model number are for the cable length. The cable can be 1, or 2 m long.
(11)		Connector Terminal	Cables	Cable for MECHATROLINK-II Communications			XW2Z- J-B34 The empty boxes in the model number are for the cable length. The cable can be 1, or 2 m long.
	Blo	ck				M3 screws	XW2B-50G4
				Cable for General-purp	ose Controllers	M3.5 screws	XW2B-50G5
(12)			Connector- Terminal Block			M3 screws	XW2D-50G6
(12)			Conversion Units			M3 screws M3.5 screws	XW2B-20G4
			Cable for MECHATRO	Cable for MECHATROLINK-II Communications		XW2B-20G5	
						M3 screws	XW2D-20G6

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

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 Communication Cable	0.5m	FNY-W6002-A5	JEPMC-W6002-A5-E	(without ring core and USB connector on both ends)
		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	
	MECHATROLINK-II Communication Cable	0.5m	FNY-W6003-A5	JEPMC-W6003-A5	
(15)		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>
		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
	Control I/O Connector (General-purpose Input)	R88A-CNU11C
CN1	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
		3,000 r/min, 50 to 750 W	R88A-CNK02R
-	Motor connector for encoder cable	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	
Flease lead the relevant manuals of GS-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 C-V -AL D-V	CX-Programmer Operation Manual
W453	SBCE-375	CXONE-DDDC-VD/DDD-VD	CX-Drive OPERATION MANUAL
W504	SBCA-362	SYSMAC-SE2	Sysmac Studio Version 1 Operation Manual

Read and Understand this Catalog

Please read and understand this catalog before purchasing the product. Please consult your OMRON representative if you have any questions or comments.

Warranty and Limitations of Liability

WARRANTY

OMRON's exclusive warranty is that the products are free from defects in materials and workmanship for a period of one year (or other period if specified) from date of sale by OMRON.

OMRON MAKES NO WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, REGARDING NON-INFRINGEMENT, MERCHANTABILITY, OR FITNESS FOR PARTICULAR PURPOSE OF THE PRODUCTS. ANY BUYER OR USER ACKNOWLEDGES THAT THE BUYER OR USER ALONE HAS DETERMINED THAT THE PRODUCTS WILL SUITABLY MEET THE REQUIREMENTS OF THEIR INTENDED USE. OMRON DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED.

LIMITATIONS OF LIABILITY

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