
Ordering Information

Product name AC Servomotors / Linear Motors / Servo Drives
 G5-series

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As a Sysmac Device, the G5-series AC Servomotor/Servo Drive with Built-in EtherCAT 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□□□-ECT, with unit version 2.1 or later.

AC Servomotor/Drive G5-series

Interpreting Model Numbers

AC Servo Drive Rotary Motor Type Model Numbers

R88D-K N 01 H -ECT

(1) (2) (3) (4) (5)

No	Item	Symbol	Specifications
(1)			G5-series Servo Drive
(2)	Drive Type	T	Analog input/Pulse train input type
		P	Pulse train input type
		N	Network type
(3)	Applicable Servomotor Capacity	A5	50 W
		01	100 W
		02	200 W
		04	400 W
		06	600 W
		08	750 W
		10	1 kW
		15	1.5 kW
		20	2 kW
		30	3 kW
		40	4 kW
		50	5 kW
		75	7.5 kW
		150	15 kW
(4)	Power Supply Voltage	L	100 VAC
		H	200 VAC
		F	400 VAC
(5)	Network type	<Blank>	Analog input/Pulse train input type
		-ECT	EtherCAT Communications
		-ML2	MECHATROLINK-II Communications

AC Servo Drive Linear Motor Type Model Numbers

R88D-K N 01 H -ECT -L

(1) (2) (3) (4) (5) (6)

No	Item	Symbol	Specifications
(1)			G5-series Servo Drive
(2)	Drive Type	N	Network type
(3)	Applicable Linear Motor Capacity	01	100 W
		02	200 W
		04	400 W
		06	600 W
		08	750 W
		10	1 kW
		15	1.5 kW
		20	2 kW
		30	3 kW
(4)	Power Supply Voltage	L	100 VAC
		H	200 VAC
		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)			OMNUC G5-Series Servomotor
(2)	Motor Type	<Blank>	Standard Cylinder type
		E	Eco Cylinder type
(3)	Applicable Servomotor Capacity	050	50 W
		100	100 W
		200	200 W
		400	400 W
		600	600 W
		750	750 W
		900	900 W
		1K0	1 kW
		1K5	1.5 kW
		2K0	2 kW
		3K0	3 kW
		4K0	4 kW
		4K5	4.5 kW
		5K0	5 kW
		6K0	6 kW
		7K5	7.5 kW
		11K0	11 kW
		15K0	15 kW
(4)	Rated Rotation Speed	10	1,000 r/min
		15	1,500 r/min
		20	2,000 r/min
		30	3,000 r/min
(5)	Applied Voltage / Encoder Type	L	100 VAC, Incremental Encoder
		H	200 VAC, Incremental Encoder
		F	400 VAC, Incremental Encoder
		S	100 VAC, Absolute Encoder
		T	200 VAC, Absolute Encoder
		C	400 VAC, Absolute Encoder
(6)	Option	<Blank>	Straight shaft
		B	With brake
		O	With oil seal
		S2	With key and tap

Linear Motor

● Iron-core linear motor

Motor Coil Unit

R88L-EC -FW -03 03 -A NP C

(1) (2) (3) (4) (5) (6) (7)

No	Item	Symbol	Specifications
(1)	G5-series Linear Motor		
(2)	Part Type	FW	Iron-core type Motor Coil Unit
(3)	Magnet Width	03	30mm
		06	60mm
		11	110mm
(4)	Coil Model	03	3-coil
		06	6-coil
		09	9-coil
		12	12-coil
		15	15-coil
(5)	Version	A	Version A
(6)	Connector Options	NP	No Connector
		PL	With Connector
(7)	Type	C	Compact (Iron-core models)

● Ironless linear motor

Motor Coil Unit

R88L-EC -GW -03 03 -A NP S

(1) (2) (3) (4) (5) (6) (7)

No	Item	Symbol	Specifications
(1)	G5-series Linear Motor		
(2)	Part Type	GW	Ironless type Motor Coil Unit
(3)	Magnet Width	03	30mm
		06	60mm
		11	110mm
(4)	Coil Model	03	3-coil
		06	6-coil
		09	9-coil
(5)	Version	A	Version A
(6)	Connector Options	NP	No Connector
		PL	With Connector
(7)	Type	S	Standard (Ironless models)

● Hall Sensor

R88L-EC -FH -03 NN -A

(1) (2) (3) (4) (5)

N	Item	Symbol	Specifications
(1)	G5-series Linear Motor		
(2)	Part Type	FH	Iron-core digital Hall-sensor
		GH	Ironless digital Hall-sensor
(3)	Magnet Width	03	30mm (Ironless models)
		06	60mm (Ironless models)
		11	110mm (Ironless models)
		NN	Placeholder (Iron-core models)
(4)	Placeholder	NN	Placeholder
(5)	Version	A	Version A

Magnet Track

R88L-EC -FM -03 096 -A

(1) (2) (3) (4) (5)

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

Magnet Track

R88L-EC -GM -03 090 -A

(1) (2) (3) (4) (5)

No	Item	Symbol	Specifications
(1)	G5-series Linear Motor		
(2)	Part Type	GM	Ironless type Magnet Trac
(3)	Magnet Width	03	30mm
		06	60mm
		11	110mm
(4)	Magnet Track Unit Length	090	90mm
		114	114mm
		120	120mm
		126	126mm
		168	168mm
		171	171mm
		210	210mm
		390	390mm
		456	456mm
		546	546mm
(5)	Version	A	Version A

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

Backlash = 3' Max.

R88G-HPG 14A 05 100 S B J

(1) (2) (3) (4) (5) (6) (7)

No	Item	Symbol	Specifications
(1)	Decelerator for G□-Series Servomotors Backlash = 3' Max.		
(2)	Flange Size Number	11B	□40
		14A	□60
		20A	□90
		32A	□120
		50A	□170
		65A	□230
(3)	Gear Ratio	05	1/5
		09	1/9 (only frame number 11B)
		11	1/11 (except frame number 65A)
		12	1/12 (only frame number 65A)
		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
(4)	Applicable Servomotor Capacity	050	50 W
		100	100 W
		200	200 W
		400	400 W
		750	750 W
		900	900 W
		1K0	1 kW
		1K5	1.5 kW
		2K0	2 kW
		3K0	3 kW
		4K0	4 kW
		4K5	4.5 kW
		5K0	5 kW
(5)	Motor Type	Blank	3,000-r/min cylindrical servomotors
		—	—
		S	2,000-r/min cylindrical servomotors
		T	1,000-r/min cylindrical servomotors
(6)	Backlash	B	Backlash = 3' Max
(7)	Option	Blank	Straight shaft
		J	With key and tap

Backlash = 15' Max.

R88G-VRSF 09 B 100 C J

(1) (2) (3) (4) (5) (6) (7)

No	Item	Symbol	Specifications
(1)	Decelerator for G□-Series Servomotors Backlash = 15' Max.		
(2)	Gear Ratio	05	1/5
		09	1/9
		15	1/15
		25	1/25
(3)	Flange Size Number	B	□52
		C	□78
		D	□98
(4)	Applicable Servomotor Capacity	050	50 W
		100	100 W
		200	200 W
		400	400 W
		750	750 W
(5)	Motor Type	Blank	3,000-r/min cylindrical servomotors
		—	—
(6)	Backlash	C	Backlash = 15' Max
(7)	Option	J	With key (without tap)

Table of AC Servomotor Variations

R88M-K -

(3) (4) (5) (6) (7) (8) (9)

(3)		(4)	(5)	Model	(6)						(7)		(8)		(9)	
Type		Applicable Servomotor Capacity	Rotation speed		Applied Voltage						Brakes		Oil Seals		Shaft Type	
					INC	INC	INC	ABS	ABS	ABS						
Standard	Eco				400	200	100	400	200	100	<Blank>	B	<Blank>	O	<Blank>	S2
Blank	E*2			F	H	L	C	T	S							
√	√	50 W	3,000 r/min	R88M-K□05030 *#1		√			√		√	√	√	√	√	
√	√	100 W		R88M-K□10030		√	√		√	√	√	√	√	√	√	√
√	√	200 W		R88M-K□20030		√	√		√	√	√	√	√	√	√	√
√	√	400 W		R88M-K□40030		√	√		√	√	√	√	√	√	√	√
√	√	750 W		R88M-K□75030	√	√		√	√		√	√	√	√	√	√
√	√	1.0 kW		R88M-K□1K030	√	√		√	√		√	√	√	√	√	√
√	√	1.5 kW		R88M-K□1K530	√	√		√	√		√	√	√	√	√	√
√	√	2.0 kW		R88M-K□2K030	√	√		√	√		√	√	√	√	√	√
√	√	3.0 kW		R88M-K□3K030	√	√		√	√		√	√	√	√	√	√
√	√	4.0 kW		R88M-K□4K030	√	√		√	√		√	√	√	√	√	√
√	√	5.0 kW		R88M-K□5K030	√	√		√	√		√	√	√	√	√	√
√		400 W		R88M-K□40020	√			√			√	√	√	√	√	√
√		600 W	R88M-K□60020	√			√			√	√	√	√	√	√	
√	√	1.0 kW	R88M-K□1K020	√	√		√	√		√	√	√	√	√	√	
√	√	1.5 kW	R88M-K□1K520	√	√		√	√		√	√	√	√	√	√	
√	√	2.0 kW	R88M-K□2K020	√	√		√	√		√	√	√	√	√	√	
√	√	3.0 kW	R88M-K□3K020	√	√		√	√		√	√	√	√	√	√	
√	√	4.0 kW	R88M-K□4K020	√	√		√	√		√	√	√	√	√	√	
√	√	5.0 kW	R88M-K□5K020	√	√		√	√		√	√	√	√	√	√	
√		7.5 kW	1,500 r/min	R88M-K□7K515			√	√		√	√	√	√	√	√	
√		11.0 kW		R88M-K□11K015			√	√		√	√	√	√	√	√	√
√		15.0 kW		R88M-K□15K015			√	√		√	√	√	√	√	√	√
√	√	900 W	1,000 r/min	R88M-K□90010	√	√		√	√		√	√	√	√	√	
√	√	2.0 kW		R88M-K□2K010	√	√		√	√		√	√	√	√	√	√
√	√	3.0 kW		R88M-K□3K010	√	√		√	√		√	√	√	√	√	√
√		4.5 kW		R88M-K□4K510				√	√		√	√	√	√	√	√
√		6.0 kW		R88M-K□6K010				√	√		√	√	√	√	√	√
<Blank>: Cylinder Type E: Eco Type		example 050: 50W 100: 100W 15K0: 15kW	10: 1,000 r/min 15: 1,500 r/min 20: 2,000 r/min 30: 3,000 r/min		F: 400 VAC (with incremental encoder) H: 200 VAC (with incremental encoder) L: 100 VAC (with incremental encoder) C: 400 VAC (with absolute encoder) T: 200 VAC (with absolute encoder) S: 100 VAC (with absolute encoder)						<Blank>: Without Brake B: With 24VDC Brake		<Blank>: Without Oil Seals B: With Oil Seals		<Blank>: Straight Shaft S2: With key and tap	

*1. R88M-K□05030H-□, R88M-K□05030T-□, can be used for Power Supply Voltage of 100/200VAC.

*2. R88M-KE□ servomotors are only available as 200VAC Type with incremental encoders. ie. R88M-KE10030H-□

AC Servomotor/Drive G5-series

Ordering Information

AC Servo Drives

EtherCAT Communications

Specifications		Model
Power Model Supply Voltage	Applicable Servomotor Capacity	
Single-phase 100 VAC	50 W	R88D-KNA5L-ECT
	100 W	R88D-KN01L-ECT
	200 W	R88D-KN02L-ECT
	400 W	R88D-KN04L-ECT
Single-phase/ Three-phase 200 VAC	100 W	R88D-KN01H-ECT
	200 W	R88D-KN02H-ECT
	400 W	R88D-KN04H-ECT
	750 W	R88D-KN08H-ECT
	1.0 kW	R88D-KN10H-ECT
	1.5 kW	R88D-KN15H-ECT
Three-phase 200 VAC	2.0 kW	R88D-KN20H-ECT
	3.0 kW	R88D-KN30H-ECT
	5.0 kW	R88D-KN50H-ECT
	7.5 kW	R88D-KN75H-ECT
	15.0 kW	R88D-KN150H-ECT
Three-phase 400 VAC	600 W	R88D-KN06F-ECT
	1.0 kW	R88D-KN10F-ECT
	1.5 kW	R88D-KN15F-ECT
	2.0 kW	R88D-KN20F-ECT
	3.0 kW	R88D-KN30F-ECT
	5.0 kW	R88D-KN50F-ECT
	7.5 kW	R88D-KN75F-ECT
	15.0 kW	R88D-KN150F-ECT

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

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

Specifications		Model
Power Supply Voltage	Applicable Servomotor Capacity	
Single-phase 100 VAC	50 W	R88D-KTA5L
	100 W	R88D-KT01L
	200 W	R88D-KT02L
	400 W	R88D-KT04L
Single-phase/ Three-phase 200 VAC	100 W	R88D-KT01H
	200 W	R88D-KT02H
	400 W	R88D-KT04H
	750 W	R88D-KT08H
	1.0 kW	R88D-KT10H
	1.5 kW	R88D-KT15H
Three-phase 200 VAC	2.0 kW	R88D-KT20H
	3.0 kW	R88D-KT30H
	5.0 kW	R88D-KT50H
	7.5 kW	R88D-KT75H
	15.0 kW	R88D-KT150H
Three-phase 400 VAC	600 W	R88D-KT06F
	1.0 kW	R88D-KT10F
	1.5 kW	R88D-KT15F
	2.0 kW	R88D-KT20F
	3.0 kW	R88D-KT30F
	5.0 kW	R88D-KT50F
	7.5 kW	R88D-KT75F
	15.0 kW	R88D-KT150F

Linear Motor with built-in EtherCAT communications

NEW

Specifications		Model
Power Supply Voltage	Applicable Servomotor Capacity	
Single-phase 100 VAC	100 W	R88D-KN01L-ECT-L
	200 W	R88D-KN02L-ECT-L
	400 W	R88D-KN04L-ECT-L
Single-phase/ Three-phase 200 VAC	100 W	R88D-KN01H-ECT-L
	200 W	R88D-KN02H-ECT-L
	400 W	R88D-KN04H-ECT-L
	750 W	R88D-KN08H-ECT-L
	1.0 kW	R88D-KN10H-ECT-L
	1.5 kW	R88D-KN15H-ECT-L
Three-phase 400 VAC	600 W	R88D-KN06F-ECT-L
	1.0 kW	R88D-KN10F-ECT-L
	1.5 kW	R88D-KN15F-ECT-L
	2.0 kW	R88D-KN20F-ECT-L
	3.0 kW	R88D-KN30F-ECT-L

MECHATROLINK-II Communications

Specifications		Model
Power Supply Voltage	Applicable Servomotor Capacity	
Single-phase 100 VAC	50 W	R88D-KNA5L-ML2
	100 W	R88D-KN01L-ML2
	200 W	R88D-KN02L-ML2
	400 W	R88D-KN04L-ML2
Single-phase/ Three-phase 200 VAC	100 W	R88D-KN01H-ML2
	200 W	R88D-KN02H-ML2
	400 W	R88D-KN04H-ML2
	750 W	R88D-KN08H-ML2
	1.0 kW	R88D-KN10H-ML2
	1.5 kW	R88D-KN15H-ML2
Three-phase 200 VAC	2.0 kW	R88D-KN20H-ML2
	3.0 kW	R88D-KN30H-ML2
	5.0 kW	R88D-KN50H-ML2
Three-phase 400 VAC	600 W	R88D-KN06F-ML2
	1.0 kW	R88D-KN10F-ML2
	1.5 kW	R88D-KN15F-ML2
	2.0 kW	R88D-KN20F-ML2
	3.0 kW	R88D-KN30F-ML2
	5.0 kW	R88D-KN50F-ML2

Pulse Train Input Type

Specifications		Model
Power Supply Voltage	Applicable Servomotor Capacity	
Single-phase/ Three-phase 200 VAC	100 W	R88D-KP01H
	200 W	R88D-KP02H
	400 W	R88D-KP04H
	750 W	R88D-KP08H
	1.0 kW	R88D-KP10H
	1.5 kW	R88D-KP15H
Three-phase 200 VAC	2.0 kW	R88D-KP20H
	3.0 kW	R88D-KP30H
	5.0 kW	R88D-KP50H

AC Servomotors

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

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

Specifications			Model
			With incremental encoder
			Straight shaft with key and tap
	Voltage	Rated output	Without oil seals
Without brake	100 V	50 W	R88M-K05030H-S2
		100 W	R88M-K10030L-S2
		200 W	R88M-K20030L-S2
		400 W	R88M-K40030L-S2
	200 V	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
		1.0 kW	R88M-K1K030H-S2
		1.5 kW	R88M-K1K530H-S2
		2.0 kW	R88M-K2K030H-S2
		3.0 kW	R88M-K3K030H-S2
		4.0 kW	R88M-K4K030H-S2
		5.0 kW	R88M-K5K030H-S2
	400 V	750 W	R88M-K75030F-S2
		1.0 kW	R88M-K1K030F-S2
		1.5 kW	R88M-K1K530F-S2
		2.0 kW	R88M-K2K030F-S2
		3.0 kW	R88M-K3K030F-S2
		4.0 kW	R88M-K4K030F-S2
		5.0 kW	R88M-K5K030F-S2
With brake	100 V	50 W	R88M-K05030H-BS2
		100 W	R88M-K10030L-BS2
		200 W	R88M-K20030L-BS2
		400 W	R88M-K40030L-BS2
	200 V	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
		1.0 kW	R88M-K1K030H-BS2
		1.5 kW	R88M-K1K530H-BS2
		2.0 kW	R88M-K2K030H-BS2
		3.0 kW	R88M-K3K030H-BS2
		4.0 kW	R88M-K4K030H-BS2
		5.0 kW	R88M-K5K030H-BS2
	400 V	750 W	R88M-K75030F-BS2
		1.0 kW	R88M-K1K030F-BS2
		1.5 kW	R88M-K1K530F-BS2
		2.0 kW	R88M-K2K030F-BS2
		3.0 kW	R88M-K3K030F-BS2
		4.0 kW	R88M-K4K030F-BS2
		5.0 kW	R88M-K5K030F-BS2

Note: Models with oil seals are also available.

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

Specifications			Model
			With incremental encoder
			Straight shaft without key
	Voltage	Rated output	Without oil seals
Without brake	100 V	50 W	R88M-K05030H
		100 W	R88M-K10030L
		200 W	R88M-K20030L
		400 W	R88M-K40030L
	200 V	50 W	R88M-K05030H
		100 W	R88M-K10030H
		200 W	R88M-K20030H
		400 W	R88M-K40030H
		750 W	R88M-K75030H
		1.0 kW	R88M-K1K030H
		1.5 kW	R88M-K1K530H
		2.0 kW	R88M-K2K030H
		3.0 kW	R88M-K3K030H
		4.0 kW	R88M-K4K030H
		5.0 kW	R88M-K5K030H
	400 V	750 W	R88M-K75030F
		1.0 kW	R88M-K1K030F
		1.5 kW	R88M-K1K530F
		2.0 kW	R88M-K2K030F
		3.0 kW	R88M-K3K030F
		4.0 kW	R88M-K4K030F
		5.0 kW	R88M-K5K030F
With brake	100 V	50 W	R88M-K05030H-B
		100 W	R88M-K10030L-B
		200 W	R88M-K20030L-B
		400 W	R88M-K40030L-B
	200 V	50 W	R88M-K05030H-B
		100 W	R88M-K10030H-B
		200 W	R88M-K20030H-B
		400 W	R88M-K40030H-B
		750 W	R88M-K75030H-B
		1.0 kW	R88M-K1K030H-B
		1.5 kW	R88M-K1K530H-B
		2.0 kW	R88M-K2K030H-B
		3.0 kW	R88M-K3K030H-B
		4.0 kW	R88M-K4K030H-B
		5.0 kW	R88M-K5K030H-B
	400 V	750 W	R88M-K75030F-B
		1.0 kW	R88M-K1K030F-B
		1.5 kW	R88M-K1K530F-B
		2.0 kW	R88M-K2K030F-B
		3.0 kW	R88M-K3K030F-B
		4.0 kW	R88M-K4K030F-B
		5.0 kW	R88M-K5K030F-B

Note: Models with oil seals are also available.

AC Servomotor/Drive G5-series

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

Specifications			Model
			With absolute encoder
			Straight shaft withkey and tap
	Voltage	Rated output	Without oil seals
Without brake	100 V	50 W	R88M-K05030T-S2
		100 W	R88M-K10030S-S2
		200 W	R88M-K20030S-S2
		400 W	R88M-K40030S-S2
	200 V	50 W	R88M-K05030T-S2
		100 W	R88M-K10030T-S2
		200 W	R88M-K20030T-S2
		400 W	R88M-K40030T-S2
		750 W	R88M-K75030T-S2
		1.0 kW	R88M-K1K030T-S2
		1.5 kW	R88M-K1K530T-S2
		2.0 kW	R88M-K2K030T-S2
		3.0 kW	R88M-K3K030T-S2
		4.0 kW	R88M-K4K030T-S2
		5.0 kW	R88M-K5K030T-S2
	400 V	750 W	R88M-K75030C-S2
		1.0 kW	R88M-K1K030C-S2
		1.5 kW	R88M-K1K530C-S2
		2.0 kW	R88M-K2K030C-S2
		3.0 kW	R88M-K3K030C-S2
		4.0 kW	R88M-K4K030C-S2
		5.0 kW	R88M-K5K030C-S2
With brake	100 V	50 W	R88M-K05030T-BS2
		100 W	R88M-K10030S-BS2
		200 W	R88M-K20030S-BS2
		400 W	R88M-K40030S-BS2
	200 V	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
		1.0 kW	R88M-K1K030T-BS2
		1.5 kW	R88M-K1K530T-BS2
		2.0 kW	R88M-K2K030T-BS2
		3.0 kW	R88M-K3K030T-BS2
		4.0 kW	R88M-K4K030T-BS2
		5.0 kW	R88M-K5K030T-BS2
	400 V	750 W	R88M-K75030C-BS2
		1.0 kW	R88M-K1K030C-BS2
		1.5 kW	R88M-K1K530C-BS2
		2.0 kW	R88M-K2K030C-BS2
		3.0 kW	R88M-K3K030C-BS2
		4.0 kW	R88M-K4K030C-BS2
		5.0 kW	R88M-K5K030C-BS2

Note: Models with oil seals are also available.

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

Specifications			Model
			With absolute encoder
			Straight shaft without key
	Voltage	Rated output	Without oil seals
Without brake	100 V	50 W	R88M-K05030T
		100 W	R88M-K10030S
		200 W	R88M-K20030S
		400 W	R88M-K40030S
	200 V	50 W	R88M-K05030T
		100 W	R88M-K10030T
		200 W	R88M-K20030T
		400 W	R88M-K40030T
		750 W	R88M-K75030T
		1.0 kW	R88M-K1K030T
		1.5 kW	R88M-K1K530T
		2.0 kW	R88M-K2K030T
		3.0 kW	R88M-K3K030T
		4.0 kW	R88M-K4K030T
		5.0 kW	R88M-K5K030T
	400 V	750 W	R88M-K75030C
		1.0 kW	R88M-K1K030C
		1.5 kW	R88M-K1K530C
		2.0 kW	R88M-K2K030C
		3.0 kW	R88M-K3K030C
		4.0 kW	R88M-K4K030C
		5.0 kW	R88M-K5K030C
With brake	100 V	50 W	R88M-K05030T-B
		100 W	R88M-K10030S-B
		200 W	R88M-K20030S-B
		400 W	R88M-K40030S-B
	200 V	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
		1.0 kW	R88M-K1K030T-B
		1.5 kW	R88M-K1K530T-B
		2.0 kW	R88M-K2K030T-B
		3.0 kW	R88M-K3K030T-B
		4.0 kW	R88M-K4K030T-B
		5.0 kW	R88M-K5K030T-B
	400 V	750 W	R88M-K75030C-B
		1.0 kW	R88M-K1K030C-B
		1.5 kW	R88M-K1K530C-B
		2.0 kW	R88M-K2K030C-B
		3.0 kW	R88M-K3K030C-B
		4.0 kW	R88M-K4K030C-B
		5.0 kW	R88M-K5K030C-B

Note: Models with oil seals are also available.

2,000-r/min servomotors

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

Specifications			Model
			With incremental encoder
			Straight shaft with key and tap
	Voltage	Rated output	Without oil seals
Without brake	200 V	1.0 kW	R88M-K1K020H-S2
		1.5 kW	R88M-K1K520H-S2
		2.0 kW	R88M-K2K020H-S2
		3.0 kW	R88M-K3K020H-S2
		4.0 kW	R88M-K4K020H-S2
		5.0 kW	R88M-K5K020H-S2
	400 V	400 W	R88M-K40020F-S2
		600 W	R88M-K60020F-S2
		1.0 kW	R88M-K1K020F-S2
		1.5 kW	R88M-K1K520F-S2
		2.0 kW	R88M-K2K020F-S2
		3.0 kW	R88M-K3K020F-S2
		4.0 kW	R88M-K4K020F-S2
		5.0 kW	R88M-K5K020F-S2
With brake	200 V	1.0 kW	R88M-K1K020H-BS2
		1.5 kW	R88M-K1K520H-BS2
		2.0 kW	R88M-K2K020H-BS2
		3.0 kW	R88M-K3K020H-BS2
		4.0 kW	R88M-K4K020H-BS2
		5.0 kW	R88M-K5K020H-BS2
	400 V	400 W	R88M-K40020F-BS2
		600 W	R88M-K60020F-BS2
		1.0 kW	R88M-K1K020F-BS2
		1.5 kW	R88M-K1K520F-BS2
		2.0 kW	R88M-K2K020F-BS2
		3.0 kW	R88M-K3K020F-BS2
		4.0 kW	R88M-K4K020F-BS2
		5.0 kW	R88M-K5K020F-BS2

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
Without brake	200 V	1.0 kW	R88M-K1K020H
		1.5 kW	R88M-K1K520H
		2.0 kW	R88M-K2K020H
		3.0 kW	R88M-K3K020H
		4.0 kW	R88M-K4K020H
		5.0 kW	R88M-K5K020H
	400 V	400 W	R88M-K40020F
		600 W	R88M-K60020F
		1.0 kW	R88M-K1K020F
		1.5 kW	R88M-K1K520F
		2.0 kW	R88M-K2K020F
		3.0 kW	R88M-K3K020F
		4.0 kW	R88M-K4K020F
		5.0 kW	R88M-K5K020F
With brake	200 V	1.0 kW	R88M-K1K020H-B
		1.5 kW	R88M-K1K520H-B
		2.0 kW	R88M-K2K020H-B
		3.0 kW	R88M-K3K020H-B
		4.0 kW	R88M-K4K020H-B
		5.0 kW	R88M-K5K020H-B
	400 V	400 W	R88M-K40020F-B
		600 W	R88M-K60020F-B
		1.0 kW	R88M-K1K020F-B
		1.5 kW	R88M-K1K520F-B
		2.0 kW	R88M-K2K020F-B
		3.0 kW	R88M-K3K020F-B
		4.0 kW	R88M-K4K020F-B
		5.0 kW	R88M-K5K020F-B

Note: Models with oil seals are also available.

AC Servomotor/Drive G5-series

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

Specifications			Model
			With absolute encoder
			Straight shaft with key and tap
	Voltage	Rated output	Without oil seals
Without brake	200 V	1.0 kW	R88M-K1K020T-S2
		1.5 kW	R88M-K1K520T-S2
		2.0 kW	R88M-K2K020T-S2
		3.0 kW	R88M-K3K020T-S2
		4.0 kW	R88M-K4K020T-S2
		5.0 kW	R88M-K5K020T-S2
		7.5 kW	R88M-K7K515T-S2 *
		11.0 kW	R88M-K11K015T-S2 *
		15.0 kW	R88M-K15K015T-S2 *
	400 V	400 W	R88M-K40020C-S2
		600 W	R88M-K60020C-S2
		1.0 kW	R88M-K1K020C-S2
		1.5 kW	R88M-K1K520C-S2
		2.0 kW	R88M-K2K020C-S2
		3.0 kW	R88M-K3K020C-S2
		4.0 kW	R88M-K4K020C-S2
		5.0 kW	R88M-K5K020C-S2
		7.5 kW	R88M-K7K515C-S2 *
		11.0 kW	R88M-K11K015C-S2 *
		15.0 kW	R88M-K15K015C-S2 *
With brake	200 V	1.0 kW	R88M-K1K020T-BS2
		1.5 kW	R88M-K1K520T-BS2
		2.0 kW	R88M-K2K020T-BS2
		3.0 kW	R88M-K3K020T-BS2
		4.0 kW	R88M-K4K020T-BS2
		5.0 kW	R88M-K5K020T-BS2
		7.5 kW	R88M-K7K515T-BS2 *
		11.0 kW	R88M-K11K015T-BS2 *
		15.0 kW	R88M-K15K015T-BS2 *
	400 V	400 W	R88M-K40020C-BS2
		600 W	R88M-K60020C-BS2
		1.0 kW	R88M-K1K020C-BS2
		1.5 kW	R88M-K1K520C-BS2
		2.0 kW	R88M-K2K020C-BS2
		3.0 kW	R88M-K3K020C-BS2
		4.0 kW	R88M-K4K020C-BS2
		5.0 kW	R88M-K5K020C-BS2
		7.5 kW	R88M-K7K515C-BS2 *
		11.0 kW	R88M-K11K015C-BS2 *
		15.0 kW	R88M-K15K015C-BS2 *

Note: Models with oil seals are also available.

* The rated speed is 1,500 r/min.

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

Specifications			Model
			With absolute encoder
			Straight shaft without key
	Voltage	Rated output	Without oil seals
Without brake	200 V	1.0 kW	R88M-K1K020T
		1.5 kW	R88M-K1K520T
		2.0 kW	R88M-K2K020T
		3.0 kW	R88M-K3K020T
		4.0 kW	R88M-K4K020T
		5.0 kW	R88M-K5K020T
		7.5 kW	R88M-K7K515T *
		11.0 kW	R88M-K11K015T *
		15.0 kW	R88M-K15K015T *
	400 V	400 W	R88M-K40020C
		600 W	R88M-K60020C
		1.0 kW	R88M-K1K020C
		1.5 kW	R88M-K1K520C
		2.0 kW	R88M-K2K020C
		3.0 kW	R88M-K3K020C
		4.0 kW	R88M-K4K020C
		5.0 kW	R88M-K5K020C
		7.5 kW	R88M-K7K515C *
		11.0 kW	R88M-K11K015C *
		15.0 kW	R88M-K15K015C *
With brake	200 V	1.0 kW	R88M-K1K020T-B
		1.5 kW	R88M-K1K520T-B
		2.0 kW	R88M-K2K020T-B
		3.0 kW	R88M-K3K020T-B
		4.0 kW	R88M-K4K020T-B
		5.0 kW	R88M-K5K020T-B
		7.5 kW	R88M-K7K515T-B *
		11.0 kW	R88M-K11K015T-B *
		15.0 kW	R88M-K15K015T-B *
	400 V	400 W	R88M-K40020C-B
		600 W	R88M-K60020C-B
		1.0 kW	R88M-K1K020C-B
		1.5 kW	R88M-K1K520C-B
		2.0 kW	R88M-K2K020C-B
		3.0 kW	R88M-K3K020C-B
		4.0 kW	R88M-K4K020C-B
		5.0 kW	R88M-K5K020C-B
		7.5 kW	R88M-K7K515C-B *
		11.0 kW	R88M-K11K015C-B *
		15.0 kW	R88M-K15K015C-B *

Note: Models with oil seals are also available.

* The rated speed is 1,500 r/min.

1,000-r/min servomotors

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

Specifications			Model
			With incremental encoder
			Straight shaft with key and tap
	Voltage	Rated output	Without oil seals
Without brake	200 V	900 W	R88M-K90010H-S2
		2.0 kW	R88M-K2K010H-S2
		3.0 kW	R88M-K3K010H-S2
	400 V	900 W	R88M-K90010F-S2
		2.0 kW	R88M-K2K010F-S2
		3.0 kW	R88M-K3K010F-S2
With brake	200 V	900 W	R88M-K90010H-BS2
		2.0 kW	R88M-K2K010H-BS2
		3.0 kW	R88M-K3K010H-BS2
	400 V	900 W	R88M-K90010F-BS2
		2.0 kW	R88M-K2K010F-BS2
		3.0 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

Specifications			Model
			With incremental encoder
			Straight shaft without key
	Voltage	Rated output	Without oil seals
Without brake	200 V	900 W	R88M-K90010H
		2.0 kW	R88M-K2K010H
		3.0 kW	R88M-K3K010H
	400 V	900 W	R88M-K90010F
		2.0 kW	R88M-K2K010F
		3.0 kW	R88M-K3K010F
With brake	200 V	900 W	R88M-K90010H-B
		2.0 kW	R88M-K2K010H-B
		3.0 kW	R88M-K3K010H-B
	400 V	900 W	R88M-K90010F-B
		2.0 kW	R88M-K2K010F-B
		3.0 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
			With absolute encoder
			Straight shaft with key and tap
	Voltage	Rated output	Without oil seals
Without brake	200 V	900 W	R88M-K90010T-S2
		2.0 kW	R88M-K2K010T-S2
		3.0 kW	R88M-K3K010T-S2
		4.5 kW	R88M-K4K510T-S2
		6.0 kW	R88M-K6K010T-S2
	400 V	900 W	R88M-K90010C-S2
		2.0 kW	R88M-K2K010C-S2
		3.0 kW	R88M-K3K010C-S2
		4.5 kW	R88M-K4K510C-S2
		6.0 kW	R88M-K6K010C-S2
With brake	200 V	900 W	R88M-K90010T-BS2
		2.0 kW	R88M-K2K010T-BS2
		3.0 kW	R88M-K3K010T-BS2
		4.5 kW	R88M-K4K510T-BS2
		6.0 kW	R88M-K6K010T-BS2
	400 V	900 W	R88M-K90010C-BS2
		2.0 kW	R88M-K2K010C-BS2
		3.0 kW	R88M-K3K010C-BS2
		4.5 kW	R88M-K4K510C-BS2
		6.0 kW	R88M-K6K010C-BS2

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
			With absolute encoder
			Straight shaft without key
	Voltage	Rated output	Without oil seals
Without brake	200 V	900 W	R88M-K90010T
		2.0 kW	R88M-K2K010T
		3.0 kW	R88M-K3K010T
		4.5 kW	R88M-K4K510T
		6.0 kW	R88M-K6K010T
	400 V	900 W	R88M-K90010C
		2.0 kW	R88M-K2K010C
		3.0 kW	R88M-K3K010C
		4.5 kW	R88M-K4K510C
		6.0 kW	R88M-K6K010C
With brake	200 V	900 W	R88M-K90010T-B
		2.0 kW	R88M-K2K010T-B
		3.0 kW	R88M-K3K010T-B
		4.5 kW	R88M-K4K510T-B
		6.0 kW	R88M-K6K010T-B
	400 V	900 W	R88M-K90010C-B
		2.0 kW	R88M-K2K010C-B
		3.0 kW	R88M-K3K010C-B
		4.5 kW	R88M-K4K510C-B
		6.0 kW	R88M-K6K010C-B

Note: Models with oil seals are also available.

AC Servomotor/Drive G5-series

G5-series Pluse Train Input type

AC Servomotors

<Eco Cylinder Type>

3,000-r/min servomotor

Specifications			Model
			Straight shaft with key and tap
	Voltage	Rated output	Without oil seals
Without brake	200 V	50 W	R88M-KE05030H-S2
		100 W	R88M-KE10030H-S2
		200 W	R88M-KE20030H-S2
		400 W	R88M-KE40030H-S2
		750 W	R88M-KE75030H-S2
		1 kW	R88M-KE1K030H-S2
		1.5 kW	R88M-KE1K530H-S2
		2 kW	R88M-KE2K030H-S2
		3 kW	R88M-KE3K030H-S2
		4 kW	R88M-KE4K030H-S2
		5 kW	R88M-KE5K030H-S2
With brake	200 V	50 W	R88M-KE05030H-BS2
		100 W	R88M-KE10030H-BS2
		200 W	R88M-KE20030H-BS2
		400 W	R88M-KE40030H-BS2
		750 W	R88M-KE75030H-BS2
		1 kW	R88M-KE1K030H-BS2
		1.5 kW	R88M-KE1K530H-BS2
		2 kW	R88M-KE2K030H-BS2
		3 kW	R88M-KE3K030H-BS2
		4 kW	R88M-KE4K030H-BS2
		5 kW	R88M-KE5K030H-BS2

Note: Models with oil seals are also available.

Specifications			Model
			Straight shaft without key
	Voltage	Rated output	Without oil seals
Without brake	200 V	50 W	R88M-KE05030H
		100 W	R88M-KE10030H
		200 W	R88M-KE20030H
		400 W	R88M-KE40030H
		750 W	R88M-KE75030H
		1 kW	R88M-KE1K030H
		1.5 kW	R88M-KE1K530H
		2 kW	R88M-KE2K030H
		3 kW	R88M-KE3K030H
		4 kW	R88M-KE4K030H
		5 kW	R88M-KE5K030H
With brake	200 V	50 W	R88M-KE05030H-B
		100 W	R88M-KE10030H-B
		200 W	R88M-KE20030H-B
		400 W	R88M-KE40030H-B
		750 W	R88M-KE75030H-B
		1 kW	R88M-KE1K030H-B
		1.5 kW	R88M-KE1K530H-B
		2 kW	R88M-KE2K030H-B
		3 kW	R88M-KE3K030H-B
		4 kW	R88M-KE4K030H-B
		5 kW	R88M-KE5K030H-B

Note: Models with oil seals are also available.

2,000-r/min servomotor

Specifications			Model
			Straight shaft with key and tap
	Voltage	Rated output	Without oil seals
Without brake	200 V	1kW	R88M-KE1K020H-S2
		1.5kW	R88M-KE1K520H-S2
		2kW	R88M-KE2K020H-S2
		3kW	R88M-KE3K020H-S2
		4kW	R88M-KE4K020H-S2
		5kW	R88M-KE5K020H-S2
With brake	200 V	1kW	R88M-KE1K020H-BS2
		1.5kW	R88M-KE1K520H-BS2
		2kW	R88M-KE2K020H-BS2
		3kW	R88M-KE3K020H-BS2
		4kW	R88M-KE4K020H-BS2
		5kW	R88M-KE5K020H-BS2

Note: Models with oil seals are also available.

Specifications			Model
			Straight shaft without key
	Voltage	Rated output	Without oil seals
Without brake	200 V	1kW	R88M-KE1K020H
		1.5kW	R88M-KE1K520H
		2kW	R88M-KE2K020H
		3kW	R88M-KE3K020H
		4kW	R88M-KE4K020H
		5kW	R88M-KE5K020H
With brake	200 V	1kW	R88M-KE1K020H-B
		1.5kW	R88M-KE1K520H-B
		2kW	R88M-KE2K020H-B
		3kW	R88M-KE3K020H-B
		4kW	R88M-KE4K020H-B
		5kW	R88M-KE5K020H-B

Note: Models with oil seals are also available.

1,000-r/min servomotor

Specifications			Model
			Straight shaft with key and tap
	Voltage	Rated output	Without oil seals
Without brake	200 V	900 W	R88M-KE90010H-S2
		2 kW	R88M-KE2K010H-S2
		3 kW	R88M-KE3K010H-S2
With brake	200 V	900 W	R88M-KE90010H-BS2
		2 kW	R88M-KE2K010H-BS2
		3 kW	R88M-KE3K010H-BS2

Note: Models with oil seals are also available.

Specifications			Model
			Straight shaft without key
	Voltage	Rated output	Without oil seals
Without brake	200 V	900 W	R88M-KE90010H
		2 kW	R88M-KE2K010H
		3 kW	R88M-KE3K010H
With brake	200 V	900 W	R88M-KE90010H-B
		2 kW	R88M-KE2K010H-B
		3 kW	R88M-KE3K010H-B

Note: Models with oil seals are also available.

Linear Motors

● Iron-core linear motor

Type		Continuous force [N]	Momentary maximum force [N]	Motor Coil Unit model
Motor Coil Unit	Coil without Connectors	48	105	R88L-EC-FW-0303-ANPC
		96	210	R88L-EC-FW-0306-ANPC
		160	400	R88L-EC-FW-0606-ANPC
		240	600	R88L-EC-FW-0609-ANPC
		320	800	R88L-EC-FW-0612-ANPC
		608	1600	R88L-EC-FW-1112-ANPC
		760	2000	R88L-EC-FW-1115-ANPC
	Coil with Connectors	48	105	R88L-EC-FW-0303-APLC
		96	210	R88L-EC-FW-0306-APLC
		160	400	R88L-EC-FW-0606-APLC
		240	600	R88L-EC-FW-0609-APLC
		320	800	R88L-EC-FW-0612-APLC
		608	1600	R88L-EC-FW-1112-APLC
		760	2000	R88L-EC-FW-1115-APLC

Type	Applicable Active Magnet Width / Motor Coil Unit	Magnet Track Length [mm]	Model
Magnet Track	30 mm R88L-EC-FW-03□	96	R88L-EC-FM-03096-A
		144	R88L-EC-FM-03144-A
		384	R88L-EC-FM-03384-A
	60 mm R88L-EC-FW-06□	192	R88L-EC-FM-06192-A
		288	R88L-EC-FM-06288-A
	110 mm R88L-EC-FW-11□	192	R88L-EC-FM-11192-A
		288	R88L-EC-FM-11288-A

Type	Applicable Active Magnet Width / Motor Coil Unit	Model
Hall Sensor	30 mm: R88L-EC-FW-03□ 60 mm: R88L-EC-FW-06□ 110 mm: R88L-EC-FW-11□	R88L-EC-FH-NNNN-A

● Ironless linear motor

Type		Continuous force [N]	Momentary maximum force [N]	Model
Motor Coil Unit	Coil without Connectors	26.5	96	R88L-EC-GW-0303-ANPS
		53	200	R88L-EC-GW-0306-ANPS
		80	300	R88L-EC-GW-0309-ANPS
		58	240	R88L-EC-GW-0503-ANPS
		117	480	R88L-EC-GW-0506-ANPS
		175	720	R88L-EC-GW-0509-ANPS
		117	552	R88L-EC-GW-0703-ANPS
		232	1110	R88L-EC-GW-0706-ANPS
		348	1730	R88L-EC-GW-0709-ANPS
	Coil with Connectors	26.5	96	R88L-EC-GW-0303-APLS
		53	200	R88L-EC-GW-0306-APLS
		80	300	R88L-EC-GW-0309-APLS
		58	240	R88L-EC-GW-0503-APLS
		117	480	R88L-EC-GW-0506-APLS
		175	720	R88L-EC-GW-0509-APLS
		117	552	R88L-EC-GW-0703-APLS
		232	1110	R88L-EC-GW-0706-APLS
		348	1730	R88L-EC-GW-0709-APLS

Type	Applicable Active Magnet Width / Motor Coil Unit	Magnet Trac Unit Length (mm)	Model
Magnet Track	30 mm R88L-EC-GW-03□	90	R88L-EC-GM-03090-A
		120	R88L-EC-GM-03120-A
		390	R88L-EC-GM-03390-A
	50 mm R88L-EC-GW-05□	126	R88L-EC-GM-05126-A
		168	R88L-EC-GM-05168-A
		210	R88L-EC-GM-05210-A
		546	R88L-EC-GM-05546-A
	70 mm R88L-EC-GW-07□	114	R88L-EC-GM-07114-A
		171	R88L-EC-GM-07171-A
		456	R88L-EC-GM-07456-A

Type	Applicable Active Magnet Width / Motor Coil Unit	Model
Hall Sensor	30 mm: R88L-EC-GW-03□	R88L-EC-GH-03NN-A
	50 mm: R88L-EC-GW-05□	R88L-EC-GH-05NN-A
	70 mm: R88L-EC-GW-07□	R88L-EC-GH-07NN-A

Combination table

Motor Coil Unit and Magnet Track Combinations

● Iron-core motor type

Active Magnet Width	Type	Motor Coil Unit model	Hall Sensor Model	Hall Sensor Model
30 mm	Coil without Connectors	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-FH-NNNN-A
	Coil with Connectors	R88L-EC-FW-0303-APLC R88L-EC-FW-0306-APLC		
60 mm	Coil without Connectors	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	
	Coil with Connectors	R88L-EC-FW-0606-APLC R88L-EC-FW-0609-APLC R88L-EC-FW-0612-APLC		
110 mm	Coil without Connectors	R88L-EC-FW-1112-ANPC R88L-EC-FW-1115-ANPC	R88L-EC-FM-11192-A R88L-EC-FM-11288-A	
	Coil with Connectors	R88L-EC-FW-1112-APLC R88L-EC-FW-1115-APLC		

● Ironless linear motor

Active Magnet Width	Type	Motor Coil Unit model	Hall Sensor Model	Hall Sensor Model
30 mm	Coil without Connectors	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-GH-03NN-A
	Coil with Connectors	R88L-EC-GW-0303-APLS R88L-EC-GW-0306-APLS R88L-EC-GW-0309-APLS		
50 mm	Coil without Connectors	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-GH-05NN-A
	Coil with Connectors	R88L-EC-GW-0503-APLS R88L-EC-GW-0506-APLS R88L-EC-GW-0509-APLS		
70 mm	Coil without Connectors	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	R88L-EC-GH-07NN-A
	Coil with Connectors	R88L-EC-GW-0703-APLS R88L-EC-GW-0706-APLS R88L-EC-GW-0709-APLS		

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)
50 W	1/5	R88G-HPG11B05100B
	1/9	R88G-HPG11B09050B
	1/21	R88G-HPG14A21100B
	1/33	R88G-HPG14A33050B
	1/45	R88G-HPG14A45050B
100 W	1/5	R88G-HPG11B05100B
	1/11	R88G-HPG14A11100B
	1/21	R88G-HPG14A21100B
	1/33	R88G-HPG20A33100B
	1/45	R88G-HPG20A45100B
200 W	1/5	R88G-HPG14A05200B
	1/11	R88G-HPG14A11200B
	1/21	R88G-HPG20A21200B
	1/33	R88G-HPG20A33200B
	1/45	R88G-HPG20A45200B
400 W	1/5	R88G-HPG14A05400B
	1/11	R88G-HPG20A11400B
	1/21	R88G-HPG20A21400B
	1/33	R88G-HPG32A33400B
	1/45	R88G-HPG32A45400B
750 W (200 V)	1/5	R88G-HPG20A05750B
	1/11	R88G-HPG20A11750B
	1/21	R88G-HPG32A21750B
	1/33	R88G-HPG32A33750B
	1/45	R88G-HPG32A45750B
750W (400 V)	1/5	R88G-HPG32A052K0B
	1/11	R88G-HPG32A112K0B
	1/21	R88G-HPG32A211K5B
	1/33	R88G-HPG32A33600SB
	1/45	R88G-HPG50A451K5B
1kW	1/5	R88G-HPG32A052K0B
	1/11	R88G-HPG32A112K0B
	1/21	R88G-HPG32A211K5B
	1/33	R88G-HPG50A332K0B
	1/45	R88G-HPG50A451K5B
1.5kW	1/5	R88G-HPG32A052K0B
	1/11	R88G-HPG32A112K0B
	1/21	R88G-HPG32A211K5B
	1/33	R88G-HPG50A332K0B
	1/45	R88G-HPG50A451K5B
2kW	1/5	R88G-HPG32A052K0B
	1/11	R88G-HPG32A112K0B
	1/21	R88G-HPG50A212K0B
	1/33	R88G-HPG50A332K0B
3kW	1/5	R88G-HPG32A053K0B
	1/11	R88G-HPG50A113K0B
	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.

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.

● 2,000-r/min servomotors

Straight shaft without key

Motor capacity	Gear Ratio	Model (Straight shaft)
400 W	1/5	R88G-HPG32A052K0B
	1/11	R88G-HPG32A112K0B
	1/21	R88G-HPG32A211K5B
	1/33	R88G-HPG32A33600SB
	1/45	R88G-HPG32A45400SB
600 W	1/5	R88G-HPG32A052K0B
	1/11	R88G-HPG32A112K0B
	1/21	R88G-HPG32A211K5B
	1/33	R88G-HPG32A33600SB
	1/45	R88G-HPG50A451K5B
1 kW	1/5	R88G-HPG32A053K0B
	1/11	R88G-HPG32A112K0SB
	1/21	R88G-HPG32A211K0SB
	1/33	R88G-HPG50A332K0SB
	1/45	R88G-HPG50A451K0SB
1.5 kW	1/5	R88G-HPG32A053K0B
	1/11	R88G-HPG32A112K0SB
	1/21	R88G-HPG50A213K0B
	1/33	R88G-HPG50A332K0SB
2 kW	1/5	R88G-HPG32A053K0B
	1/11	R88G-HPG32A112K0SB
	1/21	R88G-HPG50A213K0B
	1/33	R88G-HPG50A332K0SB
3 kW	1/5	R88G-HPG32A054K0B
	1/11	R88G-HPG50A115K0B
	1/21	R88G-HPG50A213K0SB
4 kW	1/25	R88G-HPG65A253K0SB
	1/5	R88G-HPG50A055K0SB
	1/11	R88G-HPG50A115K0SB
5 kW	1/20	R88G-HPG65A205K0SB
	1/25	R88G-HPG65A255K0SB
	1/5	R88G-HPG50A055K0SB
	1/11	R88G-HPG50A115K0SB
	1/20	R88G-HPG65A205K0SB

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)
900 W	1/5	R88G-HPG32A05900TB
	1/11	R88G-HPG32A11900TB
	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

Motor capacity	Gear Ratio	Model (Straight shaft)
50 W	1/5	R88G-VRSF05B100CJ
	1/9	R88G-VRSF09B100CJ
	1/15	R88G-VRSF15B100CJ
	1/25	R88G-VRSF25B100CJ
	1/5	R88G-VRSF05B100CJ
100 W	1/9	R88G-VRSF09B100CJ
	1/15	R88G-VRSF15B100CJ
	1/25	R88G-VRSF25B100CJ
	1/5	R88G-VRSF05B200CJ
200 W	1/9	R88G-VRSF09C200CJ
	1/15	R88G-VRSF15C200CJ
	1/25	R88G-VRSF25C200CJ
	1/5	R88G-VRSF05C400CJ
400 W	1/9	R88G-VRSF09C400CJ
	1/15	R88G-VRSF15C400CJ
	1/25	R88G-VRSF25C400CJ
	1/5	R88G-VRSF05C750CJ
750 W	1/9	R88G-VRSF09D750CJ
	1/15	R88G-VRSF15D750CJ
	1/25	R88G-VRSF25D750CJ
	1/5	R88G-VRSF05D750CJ

Accessories and Cables

■ Connection Cables (Power Cables, Brake Cables, Encoder Cables)

<Non-flexible Cables>

Power cable

Specifications		Model	
		Without brake	With brake
[200 V] Eco Cylinder Type 3,000-r/min Servomotors of 50 to 750 W for	3 m	R88A-CAGA003S	Note: Separate connectors for power and brakes for 3,000-r/min Servomotors of 50 to 750W. When a Servomotor with a brake is used, it is necessary to use both a PowerCable for Servomotors without brakes and Power cable.
	5 m	R88A-CAGA005S	
	10 m	R88A-CAGA010S	
	15 m	R88A-CAGA015S	
	20 m	R88A-CAGA020S	
[100 V/200 V] Standard Cylinder Type 3,000-r/min Servomotors of 50 to 750 W	3 m	R88A-CAKA003S	Note: Separate connectors for power and brakes for 3,000-r/min Servomotors of 50 to 750W. When a Servomotor with a brake is used, it is necessary to use both a PowerCable for Servomotors without brakes and Power cable.
	5 m	R88A-CAKA005S	
	10 m	R88A-CAKA010S	
	15 m	R88A-CAKA015S	
	20 m	R88A-CAKA020S	
	30 m	R88A-CAKA030S	
	40 m	R88A-CAKA040S	
[200 V] Standard & Eco Cylinder Type 3,000-r/min Servomotors of 1 to 2 kW 2,000-r/min Servomotors of 1 to 2 kW 1,000-r/min Servomotors of 900 W	3 m	R88A-CAGB003S (-APE)	R88A-CAGB003B
	5 m	R88A-CAGB005S (-APE)	R88A-CAGB005B
	10 m	R88A-CAGB010S (-APE)	R88A-CAGB010B
	15 m	R88A-CAGB015S (-APE)	R88A-CAGB015B
	20 m	R88A-CAGB020S (-APE)	R88A-CAGB020B
	30 m *3	R88A-CAGB030S	R88A-CAGB030B
	40 m *3	R88A-CAGB040S	R88A-CAGB040B
	50 m *3	R88A-CAGB050S	R88A-CAGB050B
[400 V] Standard Cylinder Type 3,000-r/min Servomotors of 750 W to 2 kW 2,000-r/min Servomotors of 400 W to 2 kW 1,000-r/min Servomotors of 900 W	3 m	R88A-CAGB003S (-APE)	R88A-CAKF003B
	5 m	R88A-CAGB005S (-APE)	R88A-CAKF005B
	10 m	R88A-CAGB010S (-APE)	R88A-CAKF010B
	15 m	R88A-CAGB015S (-APE)	R88A-CAKF015B
	20 m	R88A-CAGB020S (-APE)	R88A-CAKF020B
	30 m	R88A-CAGB030S	R88A-CAKF030B
	40 m	R88A-CAGB040S	R88A-CAKF040B
	50 m	R88A-CAGB050S	R88A-CAKF050B
[200 V and 400 V] Standard Cylinder Type 3,000-r/min Servomotors of 3 to 5 kW 2,000-r/min Servomotors of 3 to 5 kW 1,000-r/min Servomotors of 2 to 4.5 Kw [200 V] Eco Cylinder Type 3,000-r/min Servomotors of 3 to 5 kW 2,000-r/min Servomotors of 3 to 5 kW 1,000-r/min Servomotors of 2 to 3 kW	3 m	R88A-CAGD003S	R88A-CAGD003B
	5 m	R88A-CAGD005S	R88A-CAGD005B
	10 m	R88A-CAGD010S	R88A-CAGD010B
	15 m	R88A-CAGD015S	R88A-CAGD015B
	20 m	R88A-CAGD020S	R88A-CAGD020B
	30 m *3	R88A-CAGD030S	R88A-CAGD030B
	40 m *3	R88A-CAGD040S	R88A-CAGD040B
	50 m *3	R88A-CAGD050S	R88A-CAGD050B
	3 m	R88A-CAGE003S	Note: Separate connectors for power and brakes for 1,500-r/min Servomotors of 7.5kW and 1,000-r/min Servomotors of 6.0kW. When a Servomotor with a brake is used, it is necessary to use both a Power Cable for Servomotors without brakes and Brake cable.
	5 m	R88A-CAGE005S	
	10 m	R88A-CAGE010S	
	15 m	R88A-CAGE015S	
	20 m	R88A-CAGE020S	
	30 m	R88A-CAGE030S	
	40 m	R88A-CAGE040S	
[200 V and 400 V] Standard Cylinder Type 1,500-r/min Servomotors of 7.5 kW 1,000-r/min Servomotors of 6 kW	50 m	R88A-CAGE050S	
	3 m	R88A-CAKG003S-AP	Note: Separate connectors for power and brakes for 1,500-r/min Servomotors of 11.0 to 15.0kW. When a Servomotor with a brake is used, it is necessary to use both a Power Cable for Servomotors without brakes and Brake cable.
	5 m	R88A-CAKG005S-AP	
	10 m	R88A-CAKG010S-AP	
	15 m	R88A-CAKG015S-AP	
	20 m	R88A-CAKG020S-AP	

- 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.
3. Cables lengths of 30m to 50m are not recommended for Eco Type Servos. ie. R88M-KETM servomotors and R88D-KPTMH servodrive.

Brake Cable

Specifications		Model
[200 V] Eco Cylinder Type 3,000-r/min Servomotors of 50 to 750 W	3 m	R88A-CAGA003B
	5 m	R88A-CAGA005B
	10 m	R88A-CAGA010B
	15 m	R88A-CAGA015B
	20 m	R88A-CAGA020B
[100 V/200 V] Standard Cylinder Type 3,000-r/min Servomotors of 50 to 750 W	3 m	R88A-CAKA003B
	5 m	R88A-CAKA005B
	10 m	R88A-CAKA010B
	15 m	R88A-CAKA015B
	20 m	R88A-CAKA020B
	30 m	R88A-CAKA030B
	40 m	R88A-CAKA040B
[200 V/400 V] Standard Cylinder Type 1,500-r/min Servomotors of 7.5 to 15 kW 1,500-r/min Servomotors of 6 kW	50 m	R88A-CAKA050B
	3 m	R88A-CAGE003B
	5 m	R88A-CAGE005B
	10 m	R88A-CAGE010B
	15 m	R88A-CAGE015B
	20 m	R88A-CAGE020B
	30 m	R88A-CAGE030B
	40 m	R88A-CAGE040B
	50 m	R88A-CAGE050B

Encoder Cable

Specifications		Model
[200 V] Eco Cylinder Type 3,000-r/min Servomotors of 50 to 750 W	3 m	R88A-CRGB003C
	5 m	R88A-CRGB005C
	10 m	R88A-CRGB010C
	15 m	R88A-CRGB015C
	20 m	R88A-CRGB020C
[200 V] Eco Cylinder Type 3,000-r/min Servomotors of 1 to 5kW 2,000-r/min Servomotors 1,000-r/min Servomotors	3 m	R88A-CRGC003N (-APE)
	5 m	R88A-CRGC005N (-APE)
	10 m	R88A-CRGC010N (-APE)
	15 m	R88A-CRGC015N (-APE)
	20 m	R88A-CRGC020N (-APE)
[100 V/200 V] Standard Cylinder Type 3,000-r/min Servomotors of 50 to 750 W	3 m	R88A-CRKA003C
	5 m	R88A-CRKA005C
	10 m	R88A-CRKA010C
	15 m	R88A-CRKA015C
	20 m	R88A-CRKA020C
	30 m	R88A-CRKA030C
[200 V] Standard Cylinder Type 3,000-r/min Servomotors of 1.0kW and above 2,000-r/min Servomotors 1,500-r/min Servomotors 1,000-r/min Servomotors [400 V] Standard Cylinder Type 3,000-r/min Servomotors 2,000-r/min Servomotors 1,500-r/min Servomotors 1,000-r/min Servomotors	40 m	R88A-CRKA040C
	50 m	R88A-CRKA050C
	3 m	R88A-CRKC003N
	5 m	R88A-CRKC005N
	10 m	R88A-CRKC010N
	15 m	R88A-CRKC015N
	20 m	R88A-CRKC020N
	30 m	R88A-CRKC030N
	40 m	R88A-CRKC040N
	50 m	R88A-CRKC050N

AC Servomotor/Drive G5-series

<Flexible Cables>

Power cable

Specifications		Model	
		Without brake	With brake
[200 V] Eco Cylinder Type 3,000-r/min Servomotors of 50 to 750 W for	3 m	R88A-CAGA003SR (-E)	Note: Separate connectors for power and brakes for 3,000-r/min Servomotors of 50 to 750W. When a Servomotor with a brake is used, it is necessary to use both a PowerCable for Servomotors without brakes and Power cable.
	5 m	R88A-CAGA005SR (-E)	
	10 m	R88A-CAGA010SR (-E)	
	15 m	R88A-CAGA015SR (-E)	
	20 m	R88A-CAGA020SR (-E)	
[100 V/200 V] Standard Cylinder Type 3,000-r/min Servomotors of 50 to 750 W	3 m	R88A-CAKA003SR (-E)	Note: Separate connectors for power and brakes for 3,000-r/min Servomotors of 50 to 750W. When a Servomotor with a brake is used, it is necessary to use both a PowerCable for Servomotors without brakes and Power cable.
	5 m	R88A-CAKA005SR (-E)	
	10 m	R88A-CAKA010SR (-E)	
	15 m	R88A-CAKA015SR (-E)	
	20 m	R88A-CAKA020SR (-E)	
	30 m	R88A-CAKA030SR (-E)	
	40 m	R88A-CAKA040SR (-E)	
[200 V] Standard & Eco Cylinder Type 3,000-r/min Servomotors of 1 to 2 kW 2,000-r/min Servomotors of 1 to 2 kW 1,000-r/min Servomotors of 900 W	50 m	R88A-CAKA050SR (-E)	
	3 m	R88A-CAGB003SR (-E)	R88A-CAGB003BR (-E)
	5 m	R88A-CAGB005SR (-E)	R88A-CAGB005BR (-E)
	10 m	R88A-CAGB010SR (-E)	R88A-CAGB010BR (-E)
	15 m	R88A-CAGB015SR (-E)	R88A-CAGB015BR (-E)
	20 m	R88A-CAGB020SR (-E)	R88A-CAGB020BR (-E)
	30 m	R88A-CAGB030SR (-E)	R88A-CAGB030BR (-E)
[400 V] Standard Cylinder Type 3,000-r/min Servomotors of 750 W to 2 kW 2,000-r/min Servomotors of 400 W to 2 kW 1,000-r/min Servomotors of 900 W	40 m	R88A-CAGB040SR (-E)	R88A-CAGB040BR (-E)
	50 m	R88A-CAGB050SR (-E)	R88A-CAGB050BR (-E)
	3 m	R88A-CAGB003SR (-E)	R88A-CAKF003BR (-E)
	5 m	R88A-CAGB005SR (-E)	R88A-CAKF005BR (-E)
	10 m	R88A-CAGB010SR (-E)	R88A-CAKF010BR (-E)
	15 m	R88A-CAGB015SR (-E)	R88A-CAKF015BR (-E)
	20 m	R88A-CAGB020SR (-E)	R88A-CAKF020BR (-E)
[200 V and 400 V] Standard Cylinder Type 3,000-r/min Servomotors of 3 to 5 kW 2,000-r/min Servomotors of 3 to 5 kW 1,000-r/min Servomotors of 2 to 4.5 Kw	30 m	R88A-CAGB030SR (-E)	R88A-CAKF030BR (-E)
	40 m	R88A-CAGB040SR (-E)	R88A-CAKF040BR (-E)
	50 m	R88A-CAGB050SR (-E)	R88A-CAKF050BR (-E)
	3 m	R88A-CAGD003SR (-E)	R88A-CAGD003BR (-E)
	5 m	R88A-CAGD005SR (-E)	R88A-CAGD005BR (-E)
	10 m	R88A-CAGD010SR (-E)	R88A-CAGD010BR (-E)
	15 m	R88A-CAGD015SR (-E)	R88A-CAGD015BR (-E)
[200 V] Eco Cylinder Type 3,000-r/min Servomotors of 3 to 5 kW 2,000-r/min Servomotors of 3 to 5 kW 1,000-r/min Servomotors of 2 to 3 kW	20 m	R88A-CAGD020SR (-E)	R88A-CAGD020BR (-E)
	30 m	R88A-CAGD030SR (-E)	R88A-CAGD030BR (-E)
	40 m	R88A-CAGD040SR (-E)	R88A-CAGD040BR (-E)
	50 m	R88A-CAGD050SR (-E)	R88A-CAGD050BR (-E)
[200 V and 400 V] Standard Cylinder Type 1,500-r/min Servomotors of 7.5 kW 1,000-r/min Servomotors of 6 kW	3 m	R88A-CAGE003SR (-E)	Note: Separate connectors for power and brakes for 1,500-r/min Servomotors of 7.5kW and 1,000-r/min Servomotors of 6.0kW. When a Servomotor with a brake is used, it is necessary to use both a Power Cable for Servomotors without brakes and Brake cable.
	5 m	R88A-CAGE005SR (-E)	
	10 m	R88A-CAGE010SR (-E)	
	15 m	R88A-CAGE015SR (-E)	
	20 m	R88A-CAGE020SR (-E)	
	30 m	R88A-CAGD030SR	
	40 m	R88A-CAGD040SR	
[200 V and 400 V] Standard Cylinder Type 1,500-r/min Servomotors of 11 to 15 kW	50 m	R88A-CAGD050SR	
	3 m	R88A-CAKG003SR-E	Note: Separate connectors for power and brakes for 1,500-r/min Servomotors of 11.0 to 15.0kW. When a Servomotor with a brake is used, it is necessary to use both a Power Cable for Servomotors without brakes and Brake cable.
	5 m	R88A-CAKG005SR-E	
	10 m	R88A-CAKG010SR-E	
	15 m	R88A-CAKG015SR-E	
	20 m	R88A-CAKG020SR-E	

- 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 to 15 kW, refer to the relevant manuals of G5-Series and make your own cable.
3. Cables lengths of 30m to 50m are not recommended for Eco Type Servos. ie. R88M-KETM servomotors and R88D-KPTMH servodrive.
4. Cables Models Ending with "-E" are with Right-Angle connector on Servomotor Side.

Brake Cable

Specifications		Model
[200 V] Eco Cylinder Type 3,000-r/min Servomotors of 50 to 750 W	3 m	R88A-CAGA003BR (-E)
	5 m	R88A-CAGA005BR (-E)
	10 m	R88A-CAGA010BR (-E)
	15 m	R88A-CAGA015BR (-E)
	20 m	R88A-CAGA020BR (-E)
[100 V/200 V] Standard Cylinder Type 3,000-r/min Servomotors of 50 to 750 W	3 m	R88A-CAKA003BR (-E)
	5 m	R88A-CAKA005BR (-E)
	10 m	R88A-CAKA010BR (-E)
	15 m	R88A-CAKA015BR (-E)
	20 m	R88A-CAKA020BR (-E)
	30 m	R88A-CAKA030BR (-E)
	40 m	R88A-CAKA040BR (-E)
[200 V/400 V] Standard Cylinder Type 1,500-r/min Servomotors of 7.5 to 15 kW 1,500-r/min Servomotors of 6 kW	50 m	R88A-CAKA050BR (-E)
	3 m	R88A-CAGE003BR (-E)
	5 m	R88A-CAGE005BR (-E)
	10 m	R88A-CAGE010BR (-E)
	15 m	R88A-CAGE015BR (-E)
	20 m	R88A-CAGE020BR (-E)
	30 m	R88A-CAGE030B
	40 m	R88A-CAGE040B
	50 m	R88A-CAGE050B

Note: Cables Models Ending with "-E" are with Right-Angle connector on Servomotor Side.

Encoder Cable

Specifications		Model
[200 V] Eco Cylinder Type 3,000-r/min Servomotors of 50 to 750 W	3 m	R88A-CRGB003CR (-E)
	5 m	R88A-CRGB005CR (-E)
	10 m	R88A-CRGB010CR (-E)
	15 m	R88A-CRGB015CR (-E)
	20 m	R88A-CRGB020CR (-E)
[200 V] Eco Cylinder Type 3,000-r/min Servomotors of 1 to 5kW 2,000-r/min Servomotors 1,000-r/min Servomotors	3 m	R88A-CRGC003NR (-E)
	5 m	R88A-CRGC005NR (-E)
	10 m	R88A-CRGC010NR (-E)
	15 m	R88A-CRGC015NR (-E)
	20 m	R88A-CRGC020NR (-E)
[100 V/200 V] Standard Cylinder Type 3,000-r/min Servomotors of 50 to 750 W	3 m	R88A-CRKA003CR (-E)
	5 m	R88A-CRKA005CR (-E)
	10 m	R88A-CRKA010CR (-E)
	15 m	R88A-CRKA015CR (-E)
	20 m	R88A-CRKA020CR (-E)
	30 m	R88A-CRKA030CR (-E)
	40 m	R88A-CRKA040CR (-E)
[200 V] Standard Cylinder Type 3,000-r/min Servomotors of 1.0kW and above 2,000-r/min Servomotors 1,500-r/min Servomotors 1,000-r/min Servomotors [400 V] Standard Cylinder Type 3,000-r/min Servomotors 2,000-r/min Servomotors 1,500-r/min Servomotors 1,000-r/min Servomotors	50 m	R88A-CRKA050CR (-E)
	3 m	R88A-CRKC003NR (-E)
	5 m	R88A-CRKC005NR (-E)
	10 m	R88A-CRKC010NR (-E)
	15 m	R88A-CRKC015NR (-E)
	20 m	R88A-CRKC020NR (-E)
	30 m	R88A-CRKC030NR (-E)
	40 m	R88A-CRKC040NR (-E)
	50 m	R88A-CRKC050NR (-E)

Note: Cables Models Ending with "-E" are with Right-Angle connector on Servomotor Side.

AC Servomotor/Drive G5-series

■ Cable/Connector

Absolute Encoder Backup Battery & Absolute Encoder Battery Cable

	Description	Length	Model
Absolute Encoder Battery Cable	Without Backup Battery	0.3 m	R88A-CRGD0R3C
	With Backup Battery	0.3 m	R88A-CRGD0R3C-BS
Absolute Encoder Backup Battery (2,000 mA · 3.6 V)		-	R88A-BAT01G

Cables

Description		Length	Model
Analog Monitor Cables		1 m	R88A-CMK001S
General Purpose Control I/O Cables (CN1)	Analog/Pulse Train Input Servodrive (R88D-KT□ / R88D-KP□)	1 m	R88A-CPG001S
		2 m	R88A-CPG002S
	Network Communications Servodrive (R88D-KN□)	1 m	R88A-CPKB001S-AP
		2 m	R88A-CPKB002S-AP
External encoder cable (CN4)		5 m	R88A-CRKM005SR-E
		10 m	R88A-CRKM010SR-E
		20 m	R88A-CRKM020SR-E
Safety Connecting Cable (CN8)		3 m	R88A-CSK003S-E

Servo Drive Connectors

	Description	Connects To	Model
Control I/O Connector	Analog/Pulse Train Input Servodrive (R88D-KT□ / R88D-KP□)	CN1	R88A-CNU11C
	Network Communications Servodrive (R88D-KN□)	CN1	R88A-CNW01C
Main Circuit Power Supply Connector	[100VAC] 50W-400W [200VAC] 100W-1.5kW	CNA	R88A-CNA02G-AP
	[400VAC] 600W-1.5kW	CNA	R88A-CNA01K-AP
	[200VAC] 2.0kW	CNA	R88A-CNA02K-AP
	[400VAC] 2.0kW	CNA	R88A-CNA03K-AP
Servomotor Power Connector	[100VAC] 50W-400W [200VAC] 100W-1.5kW	CNB	R88A-CNB01G-AP
	[400VAC] 600W-1.5kW	CNB	R88A-CNB01K-AP
	[200VAC] 2.0kW [400VAC] 2.0kW	CNB	R88A-CNB02K-AP
24VDC Control Circuit Connector	[400VAC] 600W-2.0kW	CNC	R88A-CNC01K-AP
Regenerative Resistor Connector	[400VAC] 600W-1.5kW	CND	R88A-CND01K-AP
	[200VAC] 2.0kW [400VAC] 2.0kW	CND	R88A-CND02K-AP
Servomotor Encoder Connector		CN2	R88A-CNW01R
External Encoder Connector		CN4	R88A-CNK41L
Safety I/O Signal Connector		CN8	R88A-CNK81S

Servomotor Connectors

Description	Applicable Servomotor Capacity	Model
Servomotor Encoder Connector	[100 V/200 V] 3,000 r/min (50 to 750 W)	R88A-CNK02R
	[100 V/200 V] 3,000 r/min (1 to 5 kW), 2,000 r/min, 1,000 r/min [400 V] 3,000 r/min, 2,000 r/min, 1,000 r/min	R88A-CNK04R
Power Cable Connector	[100 V/200 V] 3,000 r/min (50 to 750 W)	R88A-CNK11A
	[200 V] [400V] 1,500 r/min (11 to 15kW)	R88A-CNK21A-AP
Brake Cable Connector	[100 V/200 V] 3,000 r/min (50 to 750 W)	R88A-CNK11B
	[200 V] [400V] 1,500 r/min (7.5 to 15kW), 1,000 r/min (6.0kW)	R88A-CNK21B-AP

■ Control Cables

Control Cables (for Connector Terminal Block/CN1)

Name	Specifications			Model
Connector Terminal Block Cables	General-purpose/Pulse Train Input		Length 1.0 m	XW2Z-100J-B24
			Length 2.0 m	XW2Z-200J-B24
	MECHATROLINK-II Communications EtherCAT Communications		Length 1.0 m	XW2Z-100J-B34
			Length 2.0 m	XW2Z-200J-B34
Connector Terminal Block Conversion Unit	General-purpose/ Pulse Train 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
		Conversion Unit for General-purpose Controllers (M3 screws)	Slim type	XW2D-50G6
	MECHATRO LINK-II Communicati ons EtherCAT Communicati ons	Conversion Unit for General-purpose Controllers (M3 screws)	Through type	XW2B-20G4
		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/Pulse Train Inputs

Connection Cables (for CN1)

Specifications		The number of axes	Length	Model
Name	Unit			
Position Control Unit (High-speed type) for Line-driver output	CJ1W-NC234/434	for 1 axis	1 m	XW2Z-100J-G9
			5 m	XW2Z-500J-G9
			10 m	XW2Z-10MJ-G9
		for 2 axis	1 m	XW2Z-100J-G1
			5 m	XW2Z-500J-G1
			10 m	XW2Z-10MJ-G1
Position Control Unit (High-speed type) for Open collector output	CJ1W-NC214/NC414	for 1 axis	1 m	XW2Z-100J-G13
			3 m	XW2Z-300J-G13
			1 m	XW2Z-100J-G5
		for 2 axis	3 m	XW2Z-300J-G5
			1 m	R88A-CPG001M1
			2 m	R88A-CPG002M1
Control Cables for Motion Control Unit *1	CS1W-MC221 (-V1) CS1W-MC421 (-V1)	for 1 axis	3 m	R88A-CPG003M1
			5 m	R88A-CPG005M1
			1 m	R88A-CPG001M2
			2 m	R88A-CPG002M2
		for 2 axis	3 m	R88A-CPG003M2
			5 m	R88A-CPG005M2

*1. Applicable to General-purpose Input Servo Drives only. (i.e. R88D-KT□□□)

Device for External Signal Connection / Connecting Cables (for CJ1W-NC□□4)*1

Name		Specifications		Model
Connector Terminal Block Cables	Connection Cables	Normal wiring	Length 0.5 m	XW2Z-C50X
			Length 1.0 m	XW2Z-100X
			Length 2.0 m	XW2Z-200X
			Length 3.0 m	XW2Z-300X
			Length 5.0 m	XW2Z-500X
			Length 10.0 m	XW2Z-010X
	Connector Terminal Block Conversion Unit	20 pin M2.4 screw Terminal Block type	Through type	XW2B-20G4
		20 pin M3.5 screw Terminal Block type	Through type	XW2B-20G5
		20 pin M3 screw Terminal Block type	Slim type	XW2D-20G6

*1. Applicable to General-purpose Input Servo Drives only. (i.e. R88D-KT□□□)

AC Servomotor/Drive G5-series

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 CJ2M-CPU11/CPU12/CPU13/CPU14/CPU15	for 1 axis	XW2B-20J6-8A
	for 2 axis	XW2B-40J6-9A
For FQM1-MMA22 (Analog output) For FQM1-MMP22 (Pulse train output)	for 2 axis	XW2B-80J7-12A

Servo Relay Unit cable (for Servo Drive/CN1)

Specifications	Length	Model
Position Control Unit: For CJ1W-NC□□3□□ For CS1W/C200HW-NC□□□□ (XW2B-20J6-1B, XW2B-40J6-2B)	1 m	XW2Z-100J-B25
	2 m	XW2Z-200J-B25
For CJ2M-CPU31/CPU32/CPU33/CPU34/CPU35 For CJ2M-CPU11/CPU12/CPU13/CPU14/CPU15 (XW2B-20J6-8A, XW2B-40J6-9A)	1 m	XW2Z-100J-B31
	2 m	XW2Z-200J-B31
For FQM1-MMA22 (Analog output) (XW2B-80J7-12A)	1 m	XW2Z-100J-B27
	2 m	XW2Z-200J-B27
For FQM1-MMP22 (Pulse train output) (XW2B-80J7-12A)	1 m	XW2Z-100J-B26
	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 For CJ1W-NC133 (XW2B-20J6-1B)		for 1 axis	0.5 m	XW2Z-050J-A18
			1 m	XW2Z-100J-A18
CJ1W line-driver output type For CJ1W-NC233/NC433 (XW2B-40J6-2B)		for 2 axis	0.5 m	XW2Z-050J-A19
			1 m	XW2Z-100J-A19
CS1W line-driver output type For CS1W-NC133 (XW2B-20J6-1B)		for 1 axis	0.5 m	XW2Z-050J-A10
			1 m	XW2Z-100J-A10
CS1W line-driver output type For CS1W-NC233/NC433 (XW2B-40J6-2B)		for 2 axis	0.5 m	XW2Z-050J-A11
			1 m	XW2Z-100J-A11
CJ1W open collector output type For CJ1W-NC113 (XW2B-20J6-1B)		for 1 axis	0.5 m	XW2Z-050J-A14
			1 m	XW2Z-100J-A14
CJ1W open collector output type For CJ1W-NC213/NC413 (XW2B-40J6-2B)		for 2 axis	0.5 m	XW2Z-050J-A15
			1 m	XW2Z-100J-A15
CS1W/C200HW open collector output type For CS1W-NC113 For C200HW-NC113 (XW2B-20J6-1B)		for 1 axis	0.5 m	XW2Z-050J-A6
			1 m	XW2Z-100J-A6
CS1W/C200HW open collector output type For CS1W-NC213/NC413 For C200HW-NC213/NC413 (XW2B-40J6-2B)		for 2 axis	0.5 m	XW2Z-050J-A7
			1 m	XW2Z-100J-A7
CJ1M open collector output type For CJ2M-CPU31/CPU32/CPU33/CPU34/CPU35 For CJ2M-CPU11/CPU12/CPU13/CPU14/CPU15 (XW2B-20J6-8A, XW2B-40J6-9A)		for 1 axis	0.5 m	XW2Z-050J-A33
			1 m	XW2Z-100J-A33
For FQM1-MMA22 (Analog output) (XW2B-80J7-12A)	General-purpose I/O (26 pin)	for 2 axis	0.5 m	XW2Z-050J-A28
			1 m	XW2Z-100J-A28
			2 m	XW2Z-200J-A28
	Special I/O (40 pin)	for 2 axis	0.5 m	XW2Z-050J-A31
			1 m	XW2Z-100J-A31
			2 m	XW2Z-200J-A31
For FQM1-MMP22 (Pulse train output) (XW2B-80J7-12A)	General-purpose I/O (26 pin)	for 2 axis	0.5 m	XW2Z-050J-A28
			1 m	XW2Z-100J-A28
			2 m	XW2Z-200J-A28
	Special I/O (40 pin)	for 2 axis	0.5 m	XW2Z-050J-A30
			1 m	XW2Z-100J-A30
			2 m	XW2Z-200J-A30

■ Communication Cables

● MECHATROLINK-II Communications

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

Name	Length	Model (OMRON model number)	Yaskawa model number
MECHATROLINK-II Cables (without ring core and USB connector on both ends) * Can be connected to R88D-GN and R88D-KN only.	0.5 m	FNY-W6002-A5	JEPMC-W6002-A5-E
	1.0 m	FNY-W6002-01	JEPMC-W6002-01-E
	3.0 m	FNY-W6002-03	JEPMC-W6002-03-E
	5.0 m	FNY-W6002-05	JEPMC-W6002-05-E
MECHATROLINK-II Cables (with ring core and USB connector on both ends)	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
	5.0 m	FNY-W6003-05	JEPMC-W6003-05
	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 resistance	FNY-W6022	JEPMC-W6022
MECHATROLINK-II Repeater	Communications 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.

Cable with Connectors

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

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

Specifications				Model
General-purpose Inputs	MECHATROLINK-II Communications	EtherCAT Communications	Linear Motor with built-in EtherCAT communications	
R88D-KTA5L/-K□01H (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/-K□02H (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/-K□04H (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/-K□08H/ -K□10H (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-K□15H (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-K□01H/-K□02H/ -K□04H/-K□08H/ -K□10H/-K□15H (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-K□20H/-K□30H	R88D-KN20H-ML2/-KN30H-ML2	R88D-KN20H-ECT/-KN30H-ECT	—	3G3AX-AL2055
R88D-K□50H	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				Model
General-purpose Inputs	MECHATROLINK-II Communications	EtherCAT Communications	Linear Motor with built-in EtherCAT communications	
R88D-KTA5L/-KT01L/ -K□01H/-K□02H	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/-K□04H	R88D-KN02L-ML2/-KN04H-ML2	R88D-KN02L-ECT/-KN04H-ECT	R88D-KN02L-ECT-L/-KN04H-ECT-L	R88A-TK02K
R88D-KT04L/-K□08H	R88D-KN04L-ML2/-KN08H-ML2	R88D-KN04L-ECT/-KN08H-ECT	R88D-KN04L-ECT-L/-KN08H-ECT-L	R88A-TK03K
R88D-K□10H/K□15H/ -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 Machine Automation Controller System	Omron PLC System
Controller	NJ-series	CS, CJ, CP, and other series
AC Servomotor/Drivers	G5-series - EtherCAT Communications (Unit version 2.1 or later recommended) - EtherCAT Communications Linear Motor	G5-series - EtherCAT Communications - EtherCAT Communications Linear Motor - General-purpose input type(PulseTrain or Analog inputs) - MECHATROLINK-II Communications
Software	Automation Software Sysmac Studio	FA Integrated Tool Package CX-One

■ Automation Software Sysmac Studio

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

Product name	Specifications			Model	Standards
		Number of licenses	Media		
Sysmac Studio Standard Edition Ver.1.□□	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	—
	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).

■ FA Integrated Tool Package CX-One

Product name	Specifications			Model	Standards
		Number of licenses	Media		
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 or 7 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).

Combination table (General-purpose Inputs/MECHATROLINK-II/EtherCAT)

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 Voltage	Servo Drive Model Numbers			Servomotor Model Numbers		
	General-purpose Inputs	MECHATROLINK-II	EtherCAT	Output	With incremental encoder	With absolute encoder
Single-phase 100 to 120 VAC	R88D-KTA5L	R88D-KNA5L-ML2	R88D-KNA5L-ECT	50 W	R88M-K05030H-□	R88M-K05030T-□
	R88D-KT01L	R88D-KN01L-ML2	R88D-KN01L-ECT	100 W	R88M-K10030L-□	R88M-K10030S-□
	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-□
Single-phase/ three-phase 200 to 240 VAC	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-□
	R88D-KT02H	R88D-KN02H-ML2	R88D-KN02H-ECT	200 W	R88M-K20030H-□	R88M-K20030T-□
	R88D-KT04H	R88D-KN04H-ML2	R88D-KN04H-ECT	400 W	R88M-K40030H-□	R88M-K40030T-□
	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-□
Three-phase 200 to 240 VAC	R88D-KT20H	R88D-KN20H-ML2	R88D-KN20H-ECT	2 kW	R88M-K2K030H-□	R88M-K2K030T-□
	R88D-KT30H	R88D-KN30H-ML2	R88D-KN30H-ECT	3 kW	R88M-K3K030H-□	R88M-K3K030T-□
	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-□
Three-phase 400 to 480 VAC	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-□
	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

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-KT10H	R88D-KN10H-ML2	R88D-KN10H-ECT	1 kW	R88M-K1K020H-□	R88M-K1K020T-□
	R88D-KT15H	R88D-KN15H-ML2	R88D-KN15H-ECT	1.5 kW	R88M-K1K520H-□	R88M-K1K520T-□
Three-phase 200 to 240 VAC	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-□ *
	R88D-KT50H	R88D-KN50H-ML2	R88D-KN50H-ECT	5 kW	R88M-K5K020H-□	R88M-K5K020T-□
	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-□
Three-phase 400 to 480 VAC	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-□
	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-□ *
Three-phase 200 to 240 VAC	R88D-KT30H *	R88D-KN30H-ML2 *	R88D-KN30H-ECT *	2 kW	R88M-K2K010H-□ *	R88M-K2K010T-□ *
	R88D-KT50H *	R88D-KN50H-ML2 *	R88D-KN50H-ECT *	3 kW	R88M-K3K010H-□ *	R88M-K3K010T-□ *
	R88D-KT50H *	—	R88D-KN50H-ECT *	4.5 kW	—	R88M-K4K510T-□ *
	R88D-KT75H *	—	R88D-KN75H-ECT *	6 kW	—	R88M-K6K010T-□ *
Three-phase 400 to 480 VAC	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-□ *
	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.