

R88M-K□

Accurax G5 servo motors

Servo family for accurate motion control.

Power range extended up to 15 kW.

- Peak torque 300% of rated torque during 3 seconds or more depending on model
- High resolution serial encoder provided by 20 bits encoder
- IP67 protection in all models
- Ultra-light and compact size motor
- Low speed ripple and low torque ripple due to low torque cogging
- Various shaft, brake and seal options

Ratings

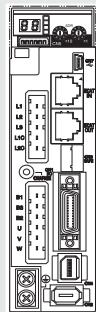
- 230 VAC from 50 W to 1.5 kW (rated torque from 0.16 to 8.59 Nm)
- 400 VAC from 400 W to 15 kW (rated torque from 1.91 Nm to 95.5 Nm)



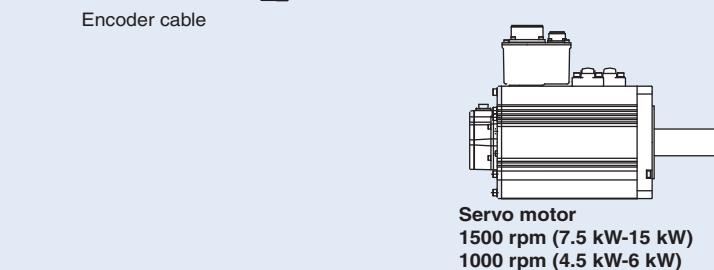
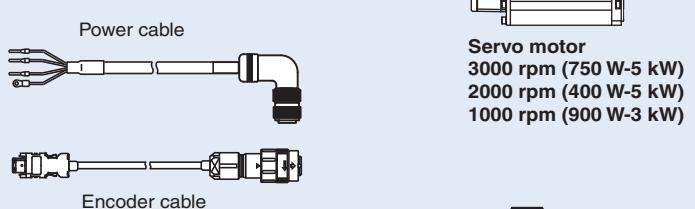
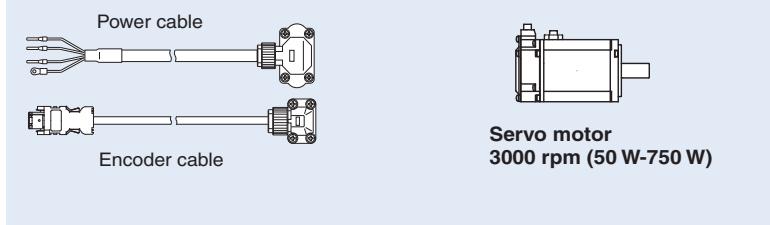
System configuration

(Refer to servo drive chapter)

Servo drive options



Accurax G5 servo drives
EtherCAT , ML2 and
Analogue/pulse models



Servo motor / servo drive combination

Accurax G5 rotary servo motor					Accurax G5 servo drive models					
	Voltage	Speed	Rated torque	Capacity	Model	EtherCAT	Analog/Pulse	MECHATROLINK-II		
230V (1 kW - 1.5 kW) 400V (400 W - 5 kW)	230 V	3000 min ⁻¹	0.16 Nm	50 W	R88M-K05030(H/T)-□	R88D-KN01H-ECT	R88D-KT01H	R88D-KN01H-ML2		
			0.32 Nm	100 W	R88M-K10030(H/T)-□	R88D-KN01H-ECT	R88D-KT01H	R88D-KN01H-ML2		
			0.64 Nm	200 W	R88M-K20030(H/T)-□	R88D-KN02H-ECT	R88D-KT02H	R88D-KN02H-ML2		
			1.3 Nm	400 W	R88M-K40030(H/T)-□	R88D-KN04H-ECT	R88D-KT04H	R88D-KN04H-ML2		
			2.4 Nm	750 W	R88M-K75030(H/T)-□	R88D-KN08H-ECT	R88D-KT08H	R88D-KN08H-ML2		
			3.18 Nm	1000 W	R88M-K1K030(H/T)-□	R88D-KN15H-ECT	R88D-KT15H	R88D-KN15H-ML2		
	400 V	4000 min ⁻¹	4.77 Nm	1500 W	R88M-K1K530(H/T)-□	R88D-KN15H-ECT	R88D-KT15H	R88D-KN15H-ML2		
			2.39 Nm	750 W	R88M-K75030(F/C)-□	R88D-KN10F-ECT	R88D-KT10F	R88D-KN10F-ML2		
			3.18 Nm	1000 W	R88M-K1K030(F/C)-□	R88D-KN15F-ECT	R88D-KT15F	R88D-KN15F-ML2		
			4.77 Nm	1500 W	R88M-K1K530(F/C)-□	R88D-KN15F-ECT	R88D-KT15F	R88D-KN15F-ML2		
			6.37 Nm	2000 W	R88M-K2K030(F/C)-□	R88D-KN20F-ECT	R88D-KT20F	R88D-KN20F-ML2		
			9.55 Nm	3000 W	R88M-K3K030(F/C)-□	R88D-KN30F-ECT	R88D-KT30F	R88D-KN30F-ML2		
7.5 kW - 15 kW	230 V	2000 min ⁻¹	12.7 Nm	4000 W	R88M-K4K030(F/C)-□	R88D-KN50F-ECT	R88D-KT50F	R88D-KN50F-ML2		
			15.9 Nm	5000 W	R88M-K5K030(F/C)-□	R88D-KN50F-ECT	R88D-KT50F	R88D-KN50F-ML2		
			4.77 Nm	1000 W	R88M-K1K020(H/T)-□	R88D-KN10H-ECT	R88D-KT10H	R88D-KN10H-ML2		
			7.16 Nm	1500 W	R88M-K1K520(H/T)-□	R88D-KN15H-ECT	R88D-KT15H	R88D-KN15H-ML2		
			1.91 Nm	400 W	R88M-K40020(F/C)-□	R88D-KN06F-ECT	R88D-KT06F	R88D-KN06F-ML2		
			2.86 Nm	600 W	R88M-K60020(F/C)-□	R88D-KN06F-ECT	R88D-KT06F	R88D-KN06F-ML2		
	400 V	1500 min ⁻¹	4.77 Nm	1000 W	R88M-K1K020(F/C)-□	R88D-KN10F-ECT	R88D-KT10F	R88D-KN10F-ML2		
			7.16 Nm	1500 W	R88M-K1K520(F/C)-□	R88D-KN15F-ECT	R88D-KT15F	R88D-KN15F-ML2		
			9.55 Nm	2000 W	R88M-K2K020(F/C)-□	R88D-KN20F-ECT	R88D-KT20F	R88D-KN20F-ML2		
			14.3 Nm	3000 W	R88M-K3K020(F/C)-□	R88D-KN30F-ECT	R88D-KT30F	R88D-KN30F-ML2		
			19.1 Nm	4000 W	R88M-K4K020(F/C)-□	R88D-KN50F-ECT	R88D-KT50F	R88D-KN50F-ML2		
			23.9 Nm	5000 W	R88M-K5K020(F/C)-□	R88D-KN50F-ECT	R88D-KT50F	R88D-KN50F-ML2		
230 V	1000 min ⁻¹	400 V	47.8 Nm	7500 W	R88M-K7K515C-□	R88D-KN75F-ECT	R88D-KT75F	-		
			70.0 Nm	11000 W	R88M-K11K015C-□	R88D-KN150F-ECT	R88D-KT150F	-		
			95.5 Nm	15000 W	R88M-K15K015C-□	R88D-KN150F-ECT	R88D-KT150F	-		
			8.59 Nm	900 W	R88M-K90010(H/T)-□	R88D-KN15H-ECT	R88D-KT15H	R88D-KN15H-ML2		
			8.59 Nm	900 W	R88M-K90010(F/C)-□	R88D-KN15F-ECT	R88D-KT15F	R88D-KN15F-ML2		
			19.1 Nm	2000 W	R88M-K2K010(F/C)-□	R88D-KN30F-ECT	R88D-KT30F	R88D-KN30F-ML2		
400 V			28.7 Nm	3000 W	R88M-K3K010(F/C)-□	R88D-KN50F-ECT	R88D-KT50F	R88D-KN50F-ML2		
			43.0 Nm	4500 W	R88M-K4K510C-□	R88D-KN50F-ECT	R88D-KT50F	R88D-KN50F-ML2		
			57.3 Nm	6000 W	R88M-K6K010C-□	R88D-KN75F-ECT	R88D-KT75F	-		

Note: 1. For servo motor and cables part numbers refer to ordering information at the end of this chapter
 2. Refer to the servo drive chapter for drive options selection and detailed specifications

Servo motor type designation

Servo motor

R88M-K05030H-BOS2

Accurax G5 Series 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

Rated Speed (r/min) —

10	1000
15	1500
20	2000
30	3000

Shaft end specifications

Blank	Straight shaft, no key
S2	Straight, key, tapped (standard)

Oil seal specifications

Blank	No oil seal
O	Oil seal

Brake specifications

Blank	No brake
B	Brake

Voltage and encoder specifications

H: 230 V and 20-bit incremental encoder

T: 230 V and 17-bit absolute encoder

F: 400 V and 20-bit incremental encoder

C: 400 V and 17-bit absolute encoder

Servo motor specifications

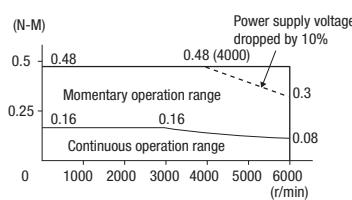
Servo motors 3000 r/min, 230 V

Ratings and specifications

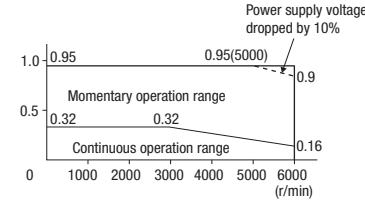
Voltage		230 V						
Servo motor model R88M-K□	20-bit incremental encoder	05030H-□	10030H-□	20030H-□	40030H-□	75030H-□	1K030H-□	1K530H-□
	17-bit absolute encoder	05030T-□	10030T-□	20030T-□	40030T-□	75030T-□	1K030T-□	1K530T-□
Rated output	W	50	100	200	400	750	1000	1500
Rated torque	N·m	0.16	0.32	0.64	1.3	2.4	3.18	4.77
Instantaneous peak torque	N·m	0.48	0.95	1.91	3.8	7.1	9.55	14.3
Rated current	A (rms)	1.1	1.1	1.5	2.4	4.1	6.6	8.2
Instantaneous max. current	A (rms)	4.7	4.7	6.5	10.2	17.4	28	35
Rated speed	min⁻¹				3000			
Max. speed	min⁻¹			6000			5000	
Torque constant	N·m/A	0.11±10%	0.21±10%	0.31±10%	0.39±10%	0.42±10%	0.37	0.45
Rotor moment of inertia (JM)	kg·m²×10⁻⁴ (without brake)	0.025	0.051	0.14	0.26	0.87	2.03	2.84
	kg·m²×10⁻⁴ (with brake)	0.027	0.054	0.16	0.28	0.97	2.35	3.17
Allowable load moment of inertia (JL)	Multiple of (JM)		30			20		15
Rated power rate	kW/s (without brake)	10.1	19.9	29.0	62.4	65.6	49.8	80.1
	kW/s (with brake)	9.4	18.8	25.4	58	58.8	43	71.8
Allowable radial load	N	68		245			490	
Allowable thrust load	N	58		98			196	
Approx. mass	Kg (without brake)	0.32	0.47	0.82	1.2	2.3	3.5	4.4
	Kg (with brake)	0.53	0.68	1.3	1.7	3.1	4.5	5.4
Brake specifications	Rated voltage	24VDC ±10%						
	Holding brake moment of inertia J	kg·m²×10⁻⁴	0.002	0.0018			0.33	
	Power consumption (at 20°C)	W	7	9	17		19	
	Current consumption (at 20°C)	A	0.3	0.36	0.70±10%		0.81±10%	
	Static friction torque	N·m (minimum)	0.29	1.27	2.5		7.8	
	Rise time for holding torque	ms (max.)	35		50			
	Release time	ms (max.)	20		15			
Basic specifications	Time Rating	Continuous						
	Insulation class	Type B			Type F			
	Ambient operating/ storage temperature	0 to +40°C/ -20 to 65°C						
	Ambient operating/ storage humidity	20 to 80% (non-condensing)			20 to 85% (non-condensing)			
	Vibration class	V-15						
	Insulation resistance	20 MΩ min. at 500 VDC between the power terminals and FG terminal						
	Enclosure	Totally-enclosed, self-cooling, IP67 (excluding shaft opening)						
Mounting	Vibration resistance	Vibration acceleration 49 m/s²						
	Mounting	Flange-mounted						

Torque-speed characteristics

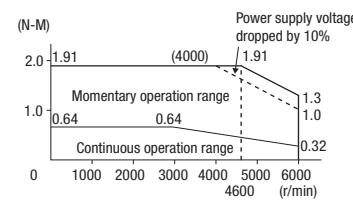
R88M-K05030H/T (50 W)



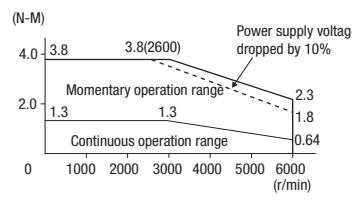
R88M-K10030H/T (100 W)



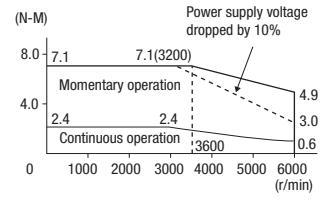
R88M-K20030H/T (200 W)



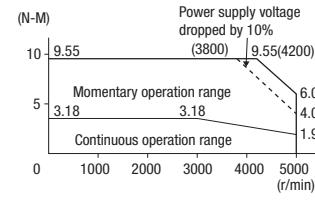
R88M-K40030H/T (400 W)



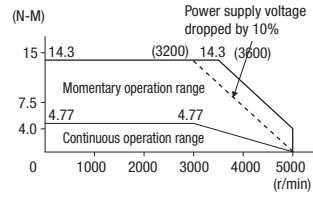
R88M-K75030H/T (750 W)



R88M-K1K030H/T (1 kW)



R88M-K1K530H/T (1.5 kW)



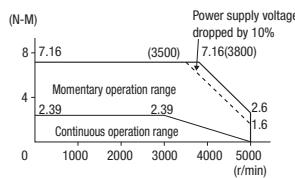
Servo motors 3000 r/min, 400 V

Ratings and specifications

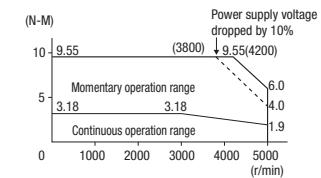
Voltage		400 V						
Servo motor model R88M-K	20-bit incremental encoder	75030F-□	1K030F-□	1K530F-□	2K030F-□	3K030F-□	4K030F-□	5K030F-□
	17-bit absolute encoder	75030C-□	1K030C-□	1K530C-□	2K030C-□	3K030C-□	4K030C-□	5K030C-□
Rated output	W	750	1000	1500	2000	3000	4000	5000
Rated torque	N·m	2.39	3.18	4.77	6.37	9.55	12.7	15.9
Instantaneous peak torque	N·m	7.16	9.55	14.3	19.1	28.6	38.2	47.7
Rated current	A (rms)	2.4	3.3	4.2	5.7	9.2	9.9	12
Instantaneous max. current	A (rms)	10	14	18	24	39	42	51
Rated speed	min ⁻¹				3000			
Max. speed	min ⁻¹			5000			4500	
Torque constant	N·m/A	0.78	0.75	0.89	0.87	0.81		0.98
Rotor moment of inertia (JM)	kg·m ² ×10 ⁻⁴ (without brake)	1.61	2.03	2.84	3.68	6.5	12.9	17.4
	kg·m ² ×10 ⁻⁴ (with brake)	1.93	2.35	3.17	4.01	7.85	14.2	18.6
Allowable load moment of inertia (JL)	Multiple of (JM)	20				15		
Rated power rate	kW/s (without brake)	35.5	49.8	80.1	110	140	126	146
	kW/s (with brake)	29.6	43	71.8	101	116	114	136
Allowable radial load	N			490			784	
Allowable thrust load	N			196			343	
Approx. mass	Kg (without brake)	3.1	3.5	4.4	5.3	8.3	11	14
	Kg (with brake)	4.1	4.5	5.4	6.3	9.4	12.6	16
Basic specifications	Rated voltage	24VDC±10%						
	Holding brake moment of inertia J	kg·m ² ×10 ⁻⁴		0.33				1.35
	Power consumption (at 20°C)	W	17	19			22	
	Current consumption (at 20°C)	A	0.70±10%	0.81±10%			0.90±10%	
	Static friction torque	N·m (minimum)	2.5	7.8	11.8		16.1	
	Rise time for holding torque	ms (max.)		50			110	
	Release time	ms (max.)		15			50	
	Time Rating	Continuous						
Basic specifications	Insulation class	Type F						
	Ambient operating/ storage temperature	0 to +40°C / -20 to 65°C						
	Ambient operating/ storage humidity	20% to 85% (non-condensing)						
	Vibration class	V-15						
	Insulation resistance	20 MΩ min. at 500 VDC between the power terminals and FG terminal						
	Enclosure	Totally-enclosed, self-cooling, IP67(excluding shaft opening)						
	Vibration resistance	Vibration acceleration 49 m/s ²						
	Mounting	Flange-mounted						

Torque-speed characteristics

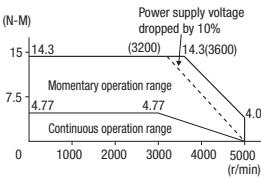
R88M-K75030F/C (750 W)



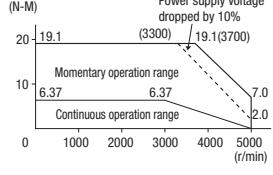
R88M-K1K030F/C (1 kW)



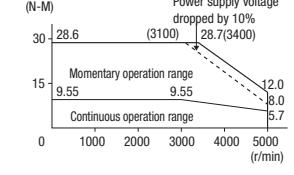
R88M-K1K530F/C (1.5 kW)



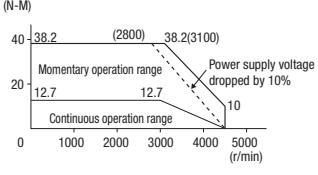
R88M-K2K030F/C (2 kW)



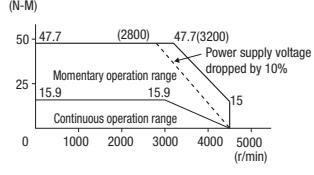
R88M-K3K030F/C (3 kW)



R88M-K4K030F/C (4 kW)



R88M-K5K030F/C (5 kW)



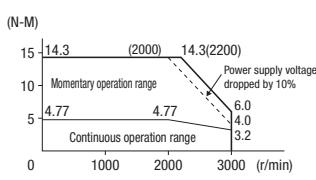
Servo motors 2000 r/min, 230V/ 400 V

Ratings and specifications

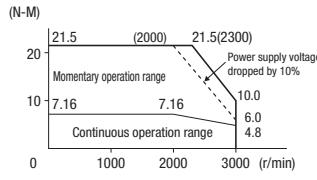
Voltage	230 V				400 V									
Servo motor model R88M-K	20-bit incremental encoder	1K020H-□	1K520H-□	40020F-□	60020F-□	1K020F-□	1K520F-□	2K020F-□	3K020F-□	4K020F-□	5K020F-□			
	17-bit absolute encoder	1K020T-□	1K520T-□	40020C-□	60020C-□	1K020C-□	1K520C-□	2K020C-□	3K020C-□	4K020C-□	5K020C-□			
Rated output	W	1000	1500	400	600	1000	1500	2000	3000	4000	5000			
Rated torque	N·m	4.77	7.16	1.91	2.86	4.77	7.16	9.55	14.3	19.1	23.9			
Instantaneous peak torque	N·m	14.3	21.5	5.73	8.59	14.3	21.5	28.7	43	57.3	71.6			
Rated current	A (rms)	5.7	9.4	1.2	1.5	2.8	4.7	5.9	8.7	10.6	13			
Instantaneous max. current	A (rms)	24	40	4.9	6.5	12	20	25	37	45	55			
Rated speed	min⁻¹	2000												
Max. speed	min⁻¹	3000												
Torque constant	N·m/A	0.63	0.58	1.27	1.38	1.27	1.16	1.27	1.18	1.40	1.46			
Rotor moment of inertia (JM)	kg·m²×10⁻⁴ (without brake)	4.60	6.70	1.61	2.03	4.60	6.70	8.72	12.9	37.6	48			
	kg·m²×10⁻⁴ (with brake)	5.90	7.99	1.90	2.35	5.90	7.99	10	14.2	38.6	48.8			
Max. load moment of inertia (JL)	Multiple of (JM)	10												
Rated power rate	kW/s (without brake)	49.5	76.5	22.7	40.3	49.5	76.5	105	159	97.1	119			
	kW/s (with brake)	38.6	64.2	19.2	34.8	38.6	64.2	91.2	144	94.5	117			
Allowable radial load	N	490												
Allowable thrust load	N	196												
Approx. mass	kg (without brake)	5.2	6.7	3.1	3.5	5.2	6.7	8	11	15.5	18.6			
	kg (with brake)	6.7	8.2	4.1	4.5	6.7	8.2	9.5	12.6	18.7	21.8			
Brake specifications	Rated voltage	24VDC ±10%												
	Holding brake moment inertia (J) kg·m²×10⁻⁴	1.35												
	Power consumption (20°C)	W	14	19	17	14	19	22	31					
	Current consumption (20°C)	A	0.59±10%	0.79±10%	0.70±10%	0.59±10%	0.79±10%	0.90±10%	1.3±10%	1.3±10%				
	Static friction torque	N·m (minimum)	4.9	13.7	2.5	4.9	13.7	16.2	24.5					
	Rise time for holding torque	ms (max.)	80	100	50	80	100	110	80					
	Release time	ms (max.)	70	50	15	70	50	25						
	Time Rating	Continuous												
	Insulation class	Type F												
Basic specifications	Ambient operating/ storage temperature	0 to +40 °C / -20 to 85°C												
	Ambient operating/ storage humidity	20% to 85% (non-condensing)												
	Vibration class	V-15												
	Insulation resistance	20 MΩ min. at 500 VDC between the power terminals and FG terminal												
	Enclosure	Totally-enclosed, self-cooling, IP67 (excluding shaft opening)												
	Vibration resistance	Vibration acceleration 49 m/s²												
	Mounting	Flange-mounted												

Torque-speed characteristics

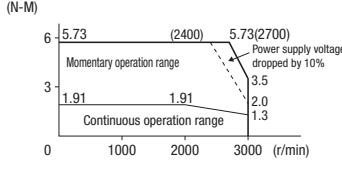
R88M-K1K020H/T (230V, 1 kW)



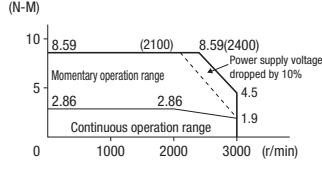
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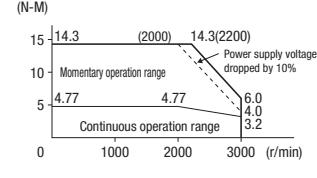
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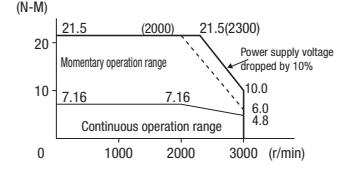
R88M-K60020F/C (400V, 600 W)



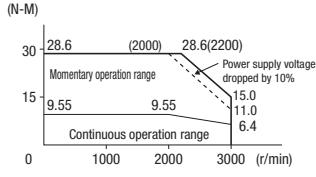
R88M-K1K020F/C (400V, 1 kW)



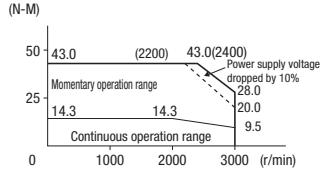
R88M-K1K520F/C (400V, 1.5 kW)



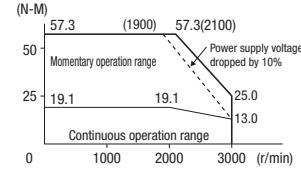
R88M-K2K020F/C (400V, 2 kW)



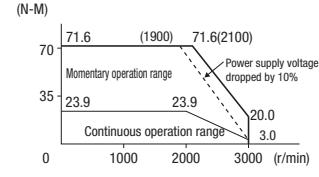
R88M-K3K0F/C (400V, 3 kW)



R88M-K4K020F/C (400V, 4 kW)



R88M-K5K020F/C (400V, 5 kW)

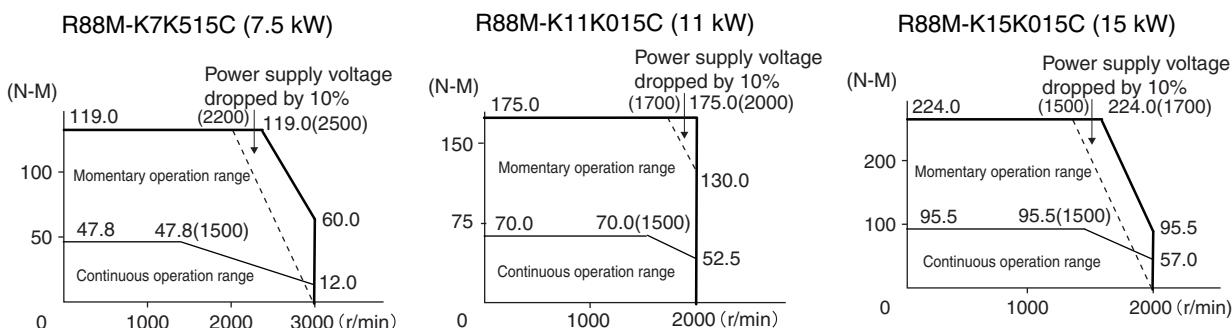


Servo motors 1500 r/min, 400 V

Ratings and specifications

Applied voltage		400 V		
Servo motor model R88M-K	17-bit absolute encoder	7K515C	11K015C	15K015C
Rated output	W	7500	11000	15000
Rated torque	N·m	47.8	70.0	95.5
Instantaneous peak torque	N·m	119.0	175.0	224.0
Rated current	A (rms)	22.0	27.1	33.1
Instantaneous max. current	A (rms)	83	101	118
Rated speed	min ⁻¹	1500		
Max. speed	min ⁻¹	3000	2000	
Torque constant	N·m/A	1.54	1.84	2.10
Rotor moment of inertia (JM)	kg·m ² ×10 ⁻⁴ (without brake)	101	212	302
	kg·m ² ×10 ⁻⁴ (with brake)	107	220	311
Allowable load moment of inertia (JL)	Multiple of (JM)	10		
Rated power rate	kW/s (without brake)	226	231	302
	kW/s (with brake)	213	223	293
Allowable radial load	N	1176	2254	
Allowable thrust load	N	490	686	
Approx. mass	kg (without brake)	36.4	52.7	70.2
	kg (with brake)	40.4	58.9	76.3
Brake specifications	Rated voltage	24VDC ±10%		
	Holding brake moment of inertia J	kg·m ² ×10 ⁻⁴	4.7	7.1
	Power consumption (at 20°C)	W	34	26
	Current consumption (at 20°C)	A	1.4±10%	1.08±10%
	Static friction torque	N·m (minimum)	58.8	100
	Rise time for holding torque	ms (max.)	150	300
Basic specifications	Release time	ms (max.)	50	140
	Time Rating	Continuous		
	Insulation class	Type F		
	Ambient operating/ storage temperature	0 to +40 °C/ -20 to 65°C		
	Ambient operating/ storage humidity	20% to 85% RH (non-condensing)		
	Vibration class	V-15		
	Insulation resistance	20 MΩ min. at 500 VDC between the power terminals and FG terminal		
	Enclosure	Totally-enclosed, self-cooling, IP67 (excluding shaft opening)		
	Vibration resistance	Vibration acceleration 49 m/s ²		
	Mounting	Flange-mounted		

Torque-speed characteristics



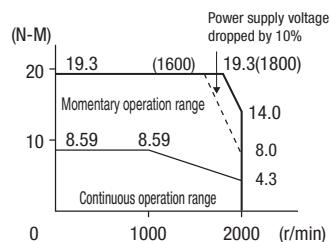
Servo motors 1000 r/min, 230V/ 400 V

Ratings and specifications

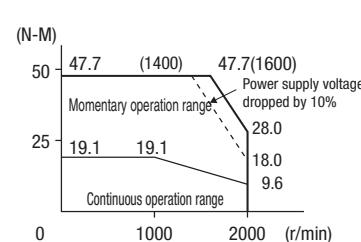
Applied voltage		230 V	400 V				
Servo motor model R88M-K	20-bit incremental encoder	90010H-□	90010F-□	2K010F-□	3K010F-□		
	17-bit absolute encoder	90010T-□	90010C-□	2K010C-□	3K010C-□	4K510C-□	6K010C-□
Rated output	W	900	900	2000	3000	4500	6000
Rated torque	N·m	8.59	19.3	19.1	28.7	43.0	57.3
Instantaneous peak torque	N·m		19.3	47.7	71.7	107.0	143.0
Rated current	A (rms)	7.6	3.8	8.5	11.3	14.8	19.4
Instantaneous max. current	A (rms)	24	12	30	40	55	74
Rated speed	min ⁻¹			1000			
Max. speed	min ⁻¹			2000			
Torque constant	N·m/A	0.86	1.72	1.76	1.92	2.05	2.08
Rotor moment of inertia (JM)	kg·m ² ×10 ⁻⁴ (without brake)		6.70	30.3	48.4	79.1	101
	kg·m ² ×10 ⁻⁴ (with brake)		7.99	31.4	49.2	84.4	107
Allowable load moment of inertia (JL)	Multiple of (JM)			10			
Rated power rate	kW/s (without brake)	110	120	170	233	325	
	kW/s (with brake)	92.4	116	167	219	307	
Allowable radial load	N	686	1176		1470		1764
Allowable thrust load	N	196		490			588
Approx. mass	kg (without brake)	6.7	14	20	29.4	36.4	
	kg (with brake)	8.2	17.5	23.5	33.3	40.4	
Brake specifications	Rated voltage	24VDC ±10%					
	Holding brake moment of inertia J	kg·m ² ×10 ⁻⁴	1.35		4.7		
	Power consumption (at 20°C)	W	19	31	34		
	Current consumption (at 20°C)	A	0.79±10%	1.3±10%	1.4±10%		
	Static friction torque	N·m (minimum)	13.7	24.5	58.8		
	Rise time for holding torque	ms (max.)	100	80	150		
	Release time	ms (max.)	50	25	50		
Basic specifications	Time Rating	Continuous					
	Insulation class	Type F					
	Ambient operating/ storage temperature	0 to +40 °C / -20 to 65°C					
	Ambient operating/ storage humidity	20% to 85% RH (non-condensing)					
	Vibration class	V-15					
	Insulation resistance	20 MΩ min. at 500 VDC between the power terminals and FG terminal					
	Enclosure	Totally-enclosed, self-cooling, IP67 (excluding shaft opening)					
Mounting	Vibration resistance	Vibration acceleration 49 m/s ²					
		Flange-mounted					

Torque-speed characteristics

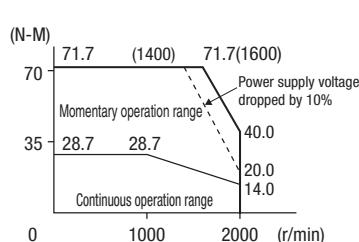
R88M-K90010H/T/F/C



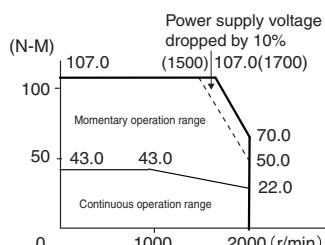
R88M-K2K010F/C



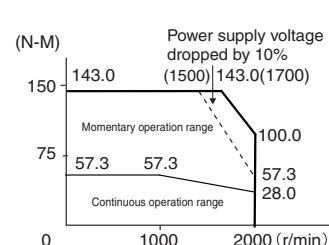
R88M-K3K010F/C



R88M-K4K510C



R88M-K6K010C

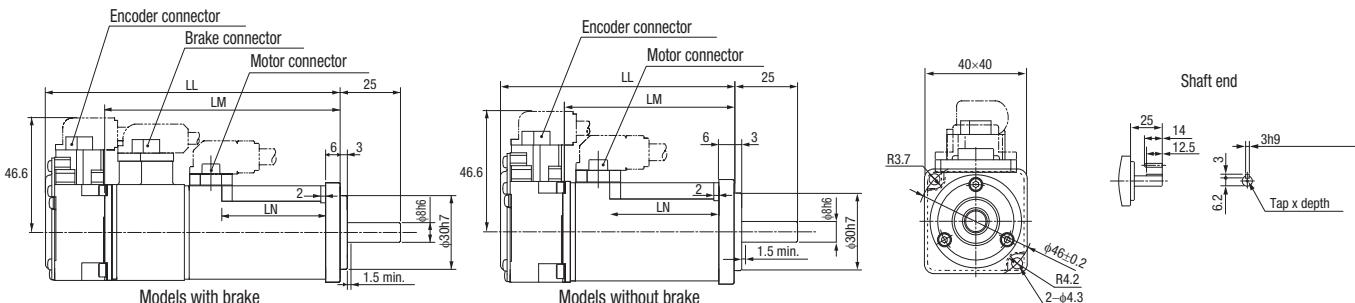


Dimensions

Servomotors

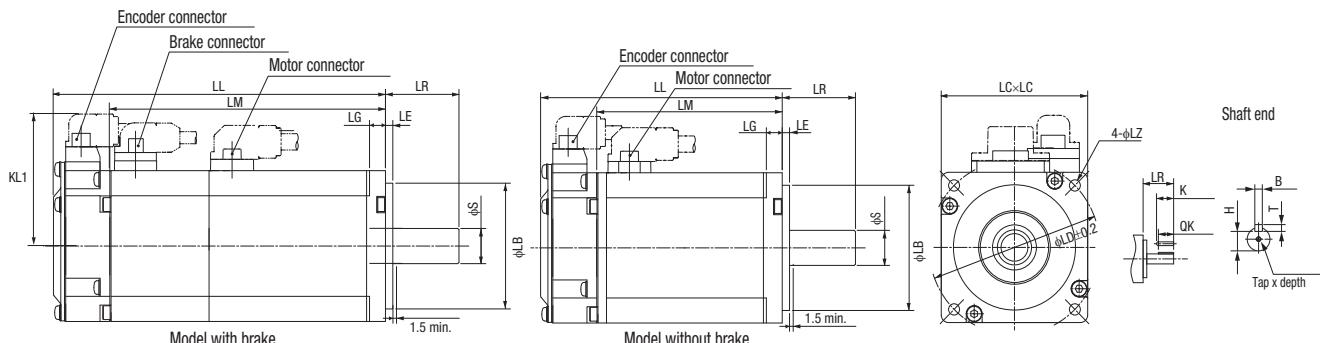
Type 3000 r/min motors (230 V, 50 - 100 W)

Dimensions (mm)	Without brake		With brake		LN	Shaft End Dimensions		Approx. Mass (Kg)	
	LL	LM	LL	LM		Tap x Depth	Without brake	With brake	
R88M-K05030(H/T)-□S2	72	48	102	78	23	M3 x 6L	0.32	0.53	
R88M-K10030(H/T)-□S2	92	68	122	98	43		0.47	0.68	



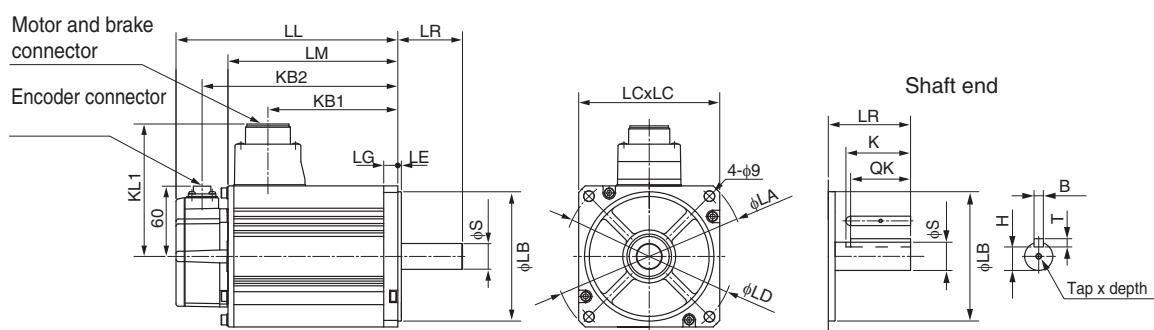
Type 3000 r/min motors (230 V, 200 - 750 W)

Dimensions (mm)	Without brake			With brake			LR	Flange surface					Shaft End Dimensions					Approx. Mass Kg						
	LL	LM	KL1	LL	LM	KL1		LB	LC	LD	LE	LG	LZ	S	K	QK	H	B	T	Tap x Depth	Without brake	With brake		
R88M-K20030(H/T)-□S2	79.5	56.5	52.5	116	93	52.5	30	50 ^{h7}	60	70	3	6.5	4.5	11 ^{h6}	20	18	8.5	4 ^{h9}	4	M4x8L	0.82	1.3		
R88M-K40030(H/T)-□S2	99	76	52.5	135.5	112.5	52.5								14 ^{h6}	25	22.5	11	5 ^{h9}	5	M5x10L	1.2	1.7		
R88M-K75030(H/T)-□S2	112.2	86.2	60	148.2	122.2	61.6	35	70 ^{h7}	80	90				8	6	19 ^{h6}		22	15.5	6 ^{h9}	6		2.3	3.1



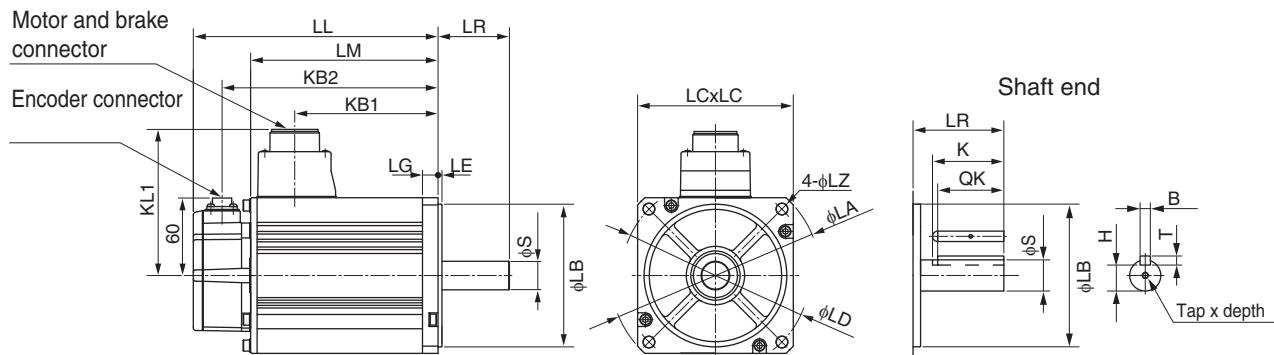
Type 3000 r/min motors (230 V, 1 - 1.5 kW / 400V, 750 W - 5 kW)

Voltage	Dimensions (mm)	Without brake					With brake					LR	Flange surface					Shaft End Dimensions					Approx. Mass (Kg)					
		LL	LM	KB1	KB2	KL1	LL	LM	KB1	KB2	KL1		LA	LB	LC	LD	LE	LG	S	Tap x Depth	K	QK	H	B	T	Without brake	With brake	
230	R88M-K□	1K030(H/T)-□S2	141	97	66	119	101	168	124	66	146	101	55	135	95 ^{h7}	100	115	3	10	19 ^{h6}	M5x12L	45	42	15.5	6 ^{h9}	6	3.5	4.5
			1K530(H/T)-□S2	159.5	115.5	84.5		186.5	142.5	84.5	164.5															4.4	5.4	
400		75030(F/C)-□S2	131.5	87.5	56.5	109.5		158.5	114.5	53.5	136.5	103														3.1	4.1	
			1K030(F/C)-□S2	141	97	66		168	124	63	146															3.5	4.5	
		1K530(F/C)-□S2	159.5	115.5	84.5	137.5		186.5	142.5	81.5	164.5															4.4	5.4	
			2K030(F/C)-□S2	178.5	134.5	103.5		205.5	161.5	100.5	183.5															5.3	6.3	
		3K030(F/C)-□S2	190	146	112	168	113	215	171	112	193	113		162	110 ^{h7}	120	145	12	22 ^{h6}	M8x20L	45	42	15.5	6 ^{h9}	7	8.3	9.4	
			4K030(F/C)-□S2	208	164	127	186	233	189	127	211	165			130		55					51	20	11		12.6		
		5K030(F/C)-□S2	243	199	162	221	268	224	162	246	14	16																



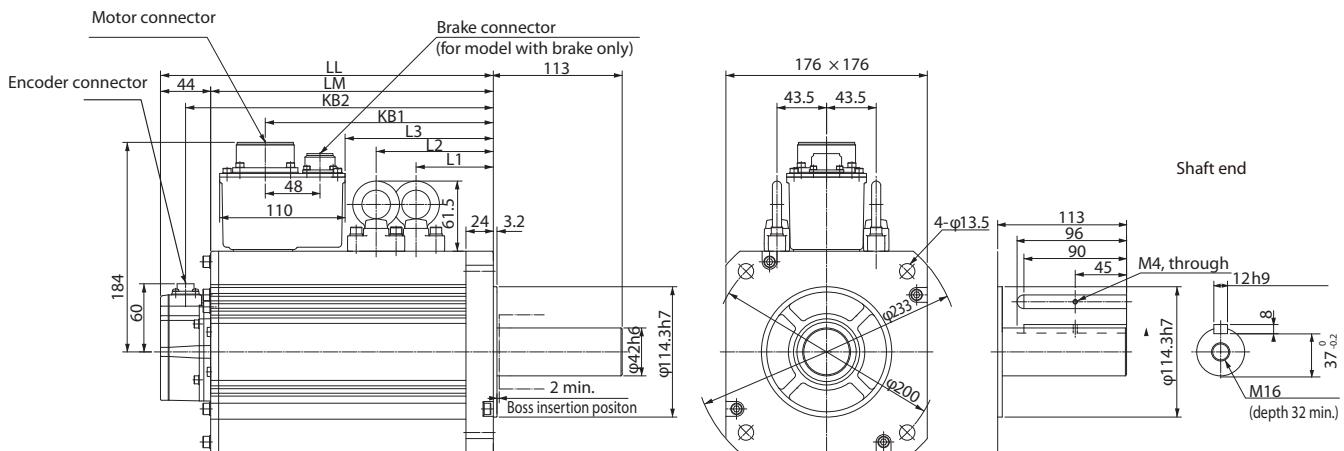
Type 2000 r/min motors (230 V, 1 - 1.5 kW / 400 V, 400W - 5 kW)

Dimensions (mm)		Without brake					With brake					LR	Flange surface							Shaft End Dimensions					Approx. Mass (Kg)			
Voltage	Model	LL	LM	KB1	KB2	KL1	LL	LM	KB1	KB2	KL1		LA	LB	LC	LD	LE	LG	LZ	S	Tap x Depth	K	QK	H	B	T	Without brake	With brake
	R88M-K□																											
230	1K020(H/T)-□S2	138	94	60	116	116	163	119	60	141	116	55	165	110 ^{h7}	130	145	6	12	9	22 ^{h6}	M5x 12L	45	41	18	8 ^{h9}	7	5.2	6.7
	1K520(H/T)-□S2	155.5	111.5	77.5	133.5		180.5	136.5	77.5	158.5																	6.7	8.2
400	40020(F/C)-□S2	131.5	87.5	56.5	109.5	101	158.5	114.5	53.5	136.5	103		135	95 ^{h7}	100	115	3	10		19 ^{h6}		42	15.5	6 ^{h9}	6	3.1	4.1	
	60020(F/C)-□S2	141	97	66	119		168	124	63	146																3.5	4.5	
	1K020(F/C)-□S2	138	94	60	116	116	163	119	57	141	118		165	110 ^{h7}	130	145	6	12		22 ^{h6}		41	18	8 ^{h9}	7	5.2	6.7	
	1K520(F/C)-□S2	155.5	111.5	77.5	133.5		180.5	136.5	74.5	158.5																6.7	8.2	
	2K020(F/C)-□S2	173	129	95	151		198	154	92	176										24 ^{h6}	M8x 20L	55	51	20		8	9.5	
	3K020(F/C)-□S2	208	164	127	186	118	233	189	127	211															11	12.6		
	4K020(F/C)-□S2	177	133	96	155	140	202	158	96	180	140		70	233	114.3 ^{h7}	176	200	3.2	18	13.5	35 ^{h6}	M12x 25L	50	30	10 ^{h9}	8	15.5	18.7
	5K020(F/C)-□S2	196	152	115	174		221	177	115	199																18.6	21.8	



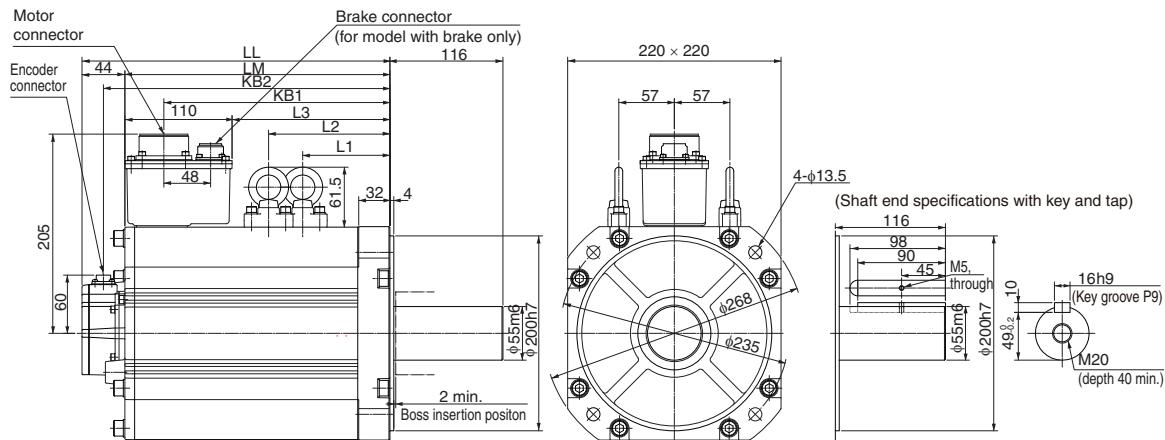
Type 1500 r/min motors (400 V, 7.5kW)

Dimensions (mm)		Without brake							With brake							Approx. Mass (Kg)	
Voltage	Model	LL	LM	KB1	KB2	L1	L2	L3	LL	LM	KB1	KB2	L1	L2	L3	Without brake	With brake
400	7K515C-□S2	312	268	219	290	117.5	117.5	149	337	293	253	315	117.5	152.5	183	36.4	40.4



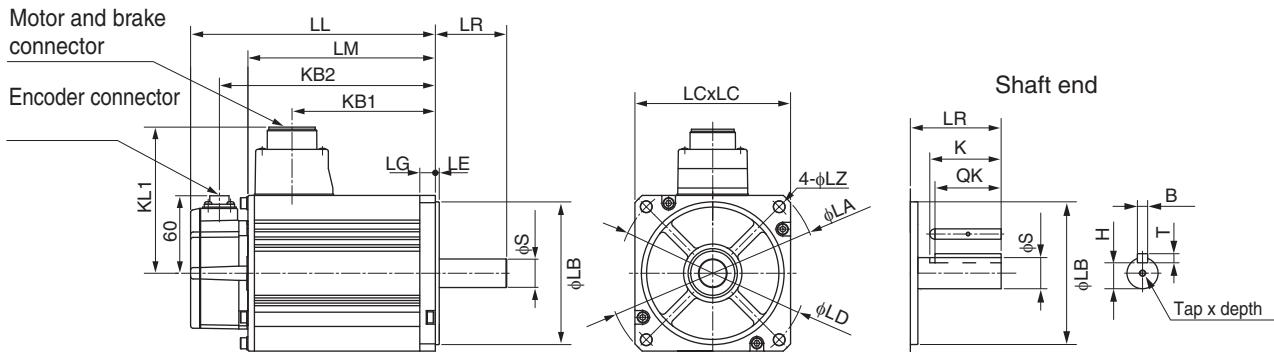
Type 1500 r/min motors (400 V, 11 - 15 kW)

Dimensions (mm)		Without brake							With brake							Approx. Mass (Kg)	
Voltage	Model	LL	LM	KB1	KB2	L1	L2	L3	LL	LM	KB1	KB2	L1	L2	L3	Without brake	With brake
	R88M-K□																
400	11K015C-□S2	316	272	232	294	124.5	124.5	162	364	320	266	342	124.5	159.5	196	52.7	58.9
	15K015C-□S2	384	340	300	362	158.5	158.5	230	432	388	334	410	158.5	193.5	264	70.2	76.3



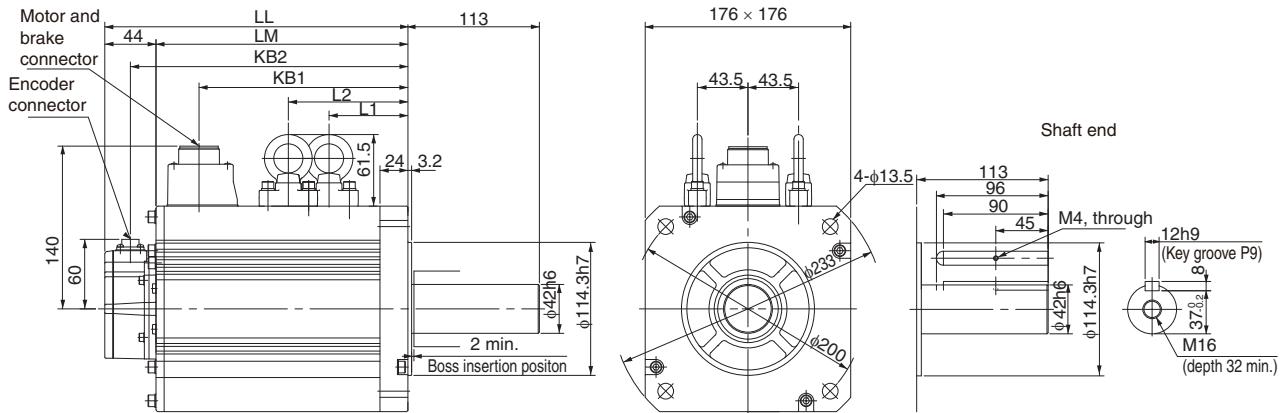
Type 1000 r/min motors (230 V, 900W / 400 V, 900W - 3 kW)

Dimensions (mm)		Without brake					With brake					LR	Flange surface						Shaft End Dimensions						Approx. Mass (Kg)			
Voltage	Model	LL	LM	KB1	KB2	KL1	LL	LM	KB1	KB2	KL1		LA	LB	LC	LD	LE	LG	LZ	S	Tap x Depth	K	QK	H	B	T	Without brake	With brake
230	90010(H/T)-□S2	155.5	111.5	77.5	133.5	116	180.5	136.5	77.5	158.5	116	70	165	110 ^{h7}	130	145	6	12	9	22 ^{h6}	M5x12L	45	41	18	8 ^{h9}	7	6.7	8.2
400	90010(F/C)-□S2											74.5				118												
	2K010(F/C)-□S2	163.5	119.5	82.5	141.5	140	188.5	144.5	82.5	166.5	140	80	233	114.3 ^{h7}	176	200	3.2	18	13.5	35 ^{h6}	M12x25L	55	50	30	10 ^{h9}	8	14	17.5
	3K010(F/C)-□S2	209.5	165.5	128.5	187.5			234.5	190.5	128.5	212.5															20	23.5	



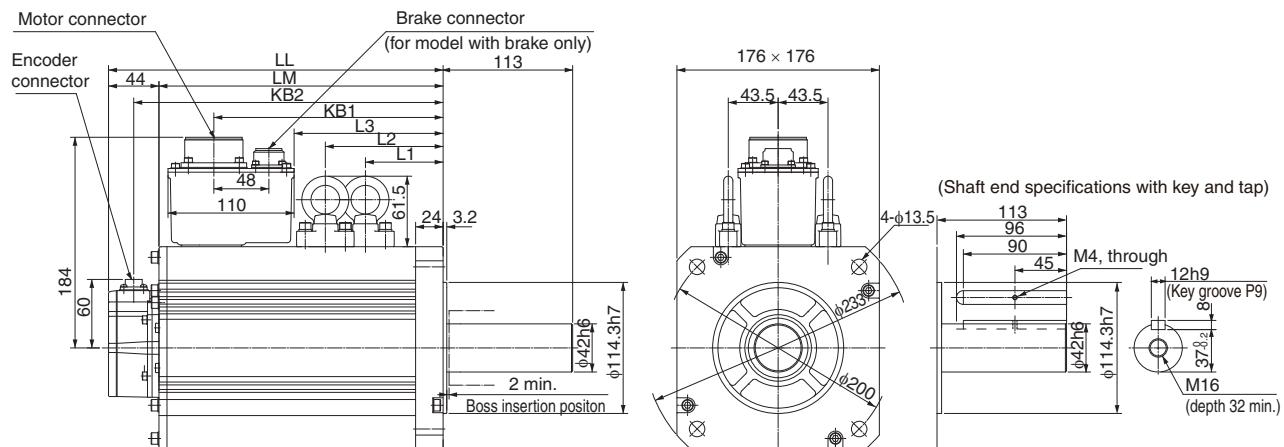
Type 1000 r/min motors (400 V, 4.5 kW)

Dimensions (mm)		Without brake					With brake					Approx. Mass (Kg)			
Voltage	Model	LL	LM	KB1	KB2	L1	L2	LL	LM	KB1	KB2	L1	L2	Without brake	With brake
400	R88M-K□	266	222	185	244	98	98	291	247	185	269	98	133	29.4	33.3
400	4K510C-□S2	266	222	185	244	98	98	291	247	185	269	98	133	29.4	33.3



Type 1000 r/min motors (400 V, 6 kW)

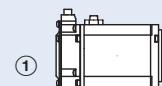
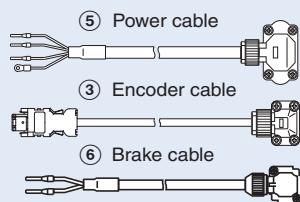
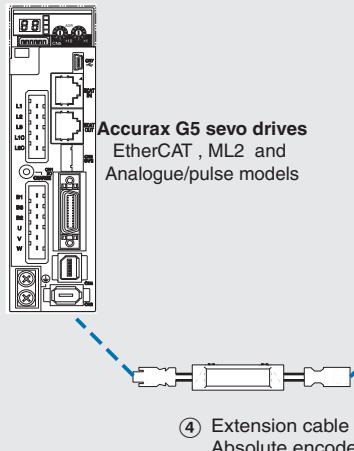
Dimensions (mm)		Without brake						With brake						Approx. Mass (Kg)			
Voltage	Model	LL	LM	KB1	KB2	L1	L2	L3	LL	LM	KB1	KB2	L1	L2	L3	Without brake	With brake
400	R88M-K□	312	268	219	290	117.5	117.5	149	337	293	253	315	117.5	152.5	183	36.4	40.4
400	6K010C-□S2	312	268	219	290	117.5	117.5	149	337	293	253	315	117.5	152.5	183	36.4	40.4



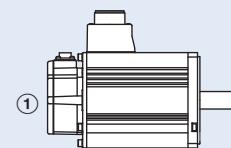
Ordering information

(Refer to servo drive chapter)

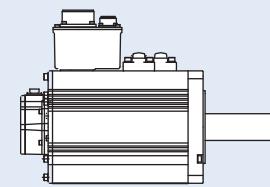
② Drive options



Servo motor
3000 rpm (50 W-750 W)



Servo motor
3000 rpm (750 W-5 kW)
2000 rpm (400 W-5 kW)
1000 rpm (900 W-3 kW)



Servo motor
1500 rpm (7.5 kW-15 kW)
1000 rpm (4.5 kW-6 kW)

Note: The symbols ①②③... show the recommended sequence to select the servo motor and cables

Servo motor

① Select motor from R88M-K family using motor tables in next pages.

Servo drive

② Refer to Accurax G5 servo drive chapter for detailed drive specifications and selection of drive accessories.

Servo motors 3000 r/min (50 - 5000 W)

Symbol	Specifications				Servo motor model	Compatible servo drives (2)		
	Voltage	Encoder and design	Rated torque	Capacity		G5 EtherCAT/ ML2	G5 Analog/Pulse	
①  230V (50 - 750 W)  230V (1 kW - 1.5 kW) 400V (750 W - 5 kW)	230 V	Incremental encoder (20 bit) Straight shaft with key and tap	Without brake	0.16 Nm	50 W	R88M-K05030H-S2	R88D-KN01H-□	R88D-KT01H
				0.32 Nm	100 W	R88M-K10030H-S2	R88D-KN01H-□	R88D-KT01H
				0.64 Nm	200 W	R88M-K20030H-S2	R88D-KN02H-□	R88D-KT02H
				1.3 Nm	400 W	R88M-K40030H-S2	R88D-KN04H-□	R88D-KT04H
				2.4 Nm	750 W	R88M-K75030H-S2	R88D-KN08H-□	R88D-KT08H
				3.18 Nm	1000 W	R88M-K1K030H-S2	R88D-KN15H-□	R88D-KT15H
				4.77 Nm	1500 W	R88M-K1K530H-S2	R88D-KN15H-□	R88D-KT15H
			With brake	0.16 Nm	50 W	R88M-K05030H-BS2	R88D-KN01H-□	R88D-KT01H
				0.32 Nm	100 W	R88M-K10030H-BS2	R88D-KN01H-□	R88D-KT01H
				0.64 Nm	200 W	R88M-K20030H-BS2	R88D-KN02H-□	R88D-KT02H
	400 V	Incremental encoder (20 bit) Straight shaft with key and tap	Without brake	1.3 Nm	400 W	R88M-K40030H-BS2	R88D-KN04H-□	R88D-KT04H
				2.4 Nm	750 W	R88M-K75030T-S2	R88D-KN08H-□	R88D-KT08H
				3.18 Nm	1000 W	R88M-K1K030T-S2	R88D-KN15H-□	R88D-KT15H
				4.77 Nm	1500 W	R88M-K1K530T-S2	R88D-KN15H-□	R88D-KT15H
			With brake	0.16 Nm	50 W	R88M-K05030T-BS2	R88D-KN01H-□	R88D-KT01H
				0.32 Nm	100 W	R88M-K10030T-BS2	R88D-KN01H-□	R88D-KT01H
				0.64 Nm	200 W	R88M-K20030T-BS2	R88D-KN02H-□	R88D-KT02H
		Absolute encoder (17 bit) Straight shaft with key and tap	Without brake	1.3 Nm	400 W	R88M-K40030T-BS2	R88D-KN04H-□	R88D-KT04H
				2.4 Nm	750 W	R88M-K75030T-BS2	R88D-KN08H-□	R88D-KT08H
				3.18 Nm	1000 W	R88M-K1K030T-BS2	R88D-KN15H-□	R88D-KT15H
				4.77 Nm	1500 W	R88M-K1K530T-BS2	R88D-KN15H-□	R88D-KT15H
			With brake	0.16 Nm	50 W	R88M-K05030F-BS2	R88D-KN01H-□	R88D-KT01H
				0.32 Nm	100 W	R88M-K10030F-BS2	R88D-KN01H-□	R88D-KT01H
				0.64 Nm	200 W	R88M-K20030F-BS2	R88D-KN02H-□	R88D-KT02H
		Absolute encoder (17 bit) Straight shaft with key and tap	Without brake	1.3 Nm	400 W	R88M-K40030F-BS2	R88D-KN04H-□	R88D-KT04H
				2.4 Nm	750 W	R88M-K75030F-BS2	R88D-KN08H-□	R88D-KT08H
				3.18 Nm	1000 W	R88M-K1K030F-BS2	R88D-KN15H-□	R88D-KT15H
				4.77 Nm	1500 W	R88M-K1K530F-BS2	R88D-KN15H-□	R88D-KT15H
			With brake	0.16 Nm	50 W	R88M-K05030C-BS2	R88D-KN01H-□	R88D-KT01H
				0.32 Nm	100 W	R88M-K10030C-BS2	R88D-KN01H-□	R88D-KT01H
				0.64 Nm	200 W	R88M-K20030C-BS2	R88D-KN02H-□	R88D-KT02H

Servo motors 2000 r/min (1 - 5 kW)

Symbol	Specifications				Servo motor model	Compatible servo drives (2)		
	Voltage	Encoder and design	Rated torque	Capacity		G5 EtherCAT/ ML2	G5 Analog/Pulse	
(1)	230 V	Incremental encoder (20 bit)	Without brake	4.77 Nm	1000 W	R88M-K1K020H-S2	R88D-KN10H-□	R88D-KT10H
				7.16 Nm	1500 W	R88M-K1K520H-S2	R88D-KN15H-□	R88D-KT15H
		Straight shaft with key and tap	With brake	4.77 Nm	1000 W	R88M-K1K020H-BS2	R88D-KN10H-□	R88D-KT10H
				7.16 Nm	1500 W	R88M-K1K520H-BS2	R88D-KN15H-□	R88D-KT15H
		Absolute encoder (17 bit)	Without brake	4.77 Nm	1000 W	R88M-K1K020T-S2	R88D-KN10H-□	R88D-KT10H
				7.16 Nm	1500 W	R88M-K1K520T-S2	R88D-KN15H-□	R88D-KT15H
	400 V	Incremental encoder (20 bit)	Without brake	1.91 Nm	400 W	R88M-K40020F-S2	R88D-KN06F-□	R88D-KT06F
				2.86 Nm	600 W	R88M-K60020F-S2	R88D-KN06F-□	R88D-KT06F
		Straight shaft with key and tap	With brake	4.77 Nm	1000 W	R88M-K1K020F-S2	R88D-KN10F-□	R88D-KT10F
				7.16 Nm	1500 W	R88M-K1K520F-S2	R88D-KN15F-□	R88D-KT15F
		Absolute encoder (17 bit)	Without brake	9.55 Nm	2000 W	R88M-K2K020F-S2	R88D-KN20F-□	R88D-KT20F
				14.3 Nm	3000 W	R88M-K3K020F-S2	R88D-KN30F-□	R88D-KT30F
		Straight shaft with key and tap	With brake	19.1 Nm	4000 W	R88M-K4K020F-S2	R88D-KN50F-□	R88D-KT50F
				23.9 Nm	5000 W	R88M-K5K020F-S2	R88D-KN50F-□	R88D-KT50F
				1.91 Nm	400 W	R88M-K40020F-BS2	R88D-KN06F-□	R88D-KT06F
				2.86 Nm	600 W	R88M-K60020F-BS2	R88D-KN06F-□	R88D-KT06F
				4.77 Nm	1000 W	R88M-K1K020F-BS2	R88D-KN10F-□	R88D-KT10F
				7.16 Nm	1500 W	R88M-K1K520F-BS2	R88D-KN15F-□	R88D-KT15F
		Absolute encoder (17 bit)	Without brake	9.55 Nm	2000 W	R88M-K2K020C-S2	R88D-KN20F-□	R88D-KT20F
				14.3 Nm	3000 W	R88M-K3K020C-S2	R88D-KN30F-□	R88D-KT30F
				19.1 Nm	4000 W	R88M-K4K020C-S2	R88D-KN50F-□	R88D-KT50F
				23.9 Nm	5000 W	R88M-K5K020C-S2	R88D-KN50F-□	R88D-KT50F
				1.91 Nm	400 W	R88M-K40020C-BS2	R88D-KN06F-□	R88D-KT06F
				2.86 Nm	600 W	R88M-K60020C-BS2	R88D-KN06F-□	R88D-KT06F
		Straight shaft with key and tap	With brake	4.77 Nm	1000 W	R88M-K1K020C-S2	R88D-KN10F-□	R88D-KT10F
				7.16 Nm	1500 W	R88M-K1K520C-S2	R88D-KN15F-□	R88D-KT15F
				9.55 Nm	2000 W	R88M-K2K020C-S2	R88D-KN20F-□	R88D-KT20F
				14.3 Nm	3000 W	R88M-K3K020C-S2	R88D-KN30F-□	R88D-KT30F
				19.1 Nm	4000 W	R88M-K4K020C-S2	R88D-KN50F-□	R88D-KT50F
				23.9 Nm	5000 W	R88M-K5K020C-S2	R88D-KN50F-□	R88D-KT50F

Servo motors 1500 r/min (7.5 - 15 kW)

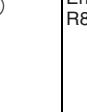
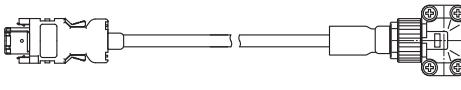
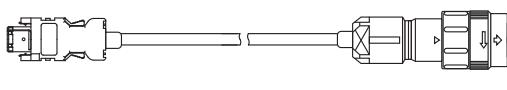
Symbol	Specifications				Servo motor model	Compatible servo drives (2)		
	Voltage	Encoder and design	Rated torque	Capacity		G5 EtherCAT	G5 Analog/Pulse	
(1)	400 V	Absolute encoder (17 bit)	Without brake	47.8 Nm	7500 W	R88M-K7K515C-S2	R88D-KN75F-ECT	R88D-KT75F
				70.0 Nm	11000 W	R88M-K11K015C-S2	R88D-KN150F-ECT	R88D-KT150F
				95.5 Nm	15000 W	R88M-K15K015C-S2	R88D-KN150F-ECT	R88D-KT150F
		Straight shaft with key and tap	With brake	47.8 Nm	7500 W	R88M-K7K515C-BS2	R88D-KN75F-ECT	R88D-KT75F
				70.0 Nm	11000 W	R88M-K11K015C-BS2	R88D-KN150F-ECT	R88D-KT150F
			95.5 Nm	15000 W	R88M-K15K015C-BS2	R88D-KN150F-ECT	R88D-KT150F	

Servo motors 1000 r/min (900 - 6000 W)

Symbol	Specifications				Servo motor model	Compatible servo drives (2)			
	Voltage	Encoder and design		Rated torque		G5 EtherCAT	G5 Analog/Pulse	G5 ML2	
(1)  900 W - 3 kW	230 V	Incremental encoder (20 bit)	No brake	8.59 Nm	900 W	R88M-K90010H-S2	R88D-KN15H-ECT	R88D-KT15H	R88D-KN15H-ML2
		Straight shaft with key and tap	With brake	8.59 Nm	900 W	R88M-K90010H-BS2	R88D-KN15H-ECT	R88D-KT15H	R88D-KN15H-ML2
	400 V	Absolute encoder (17 bit)	No brake	8.59 Nm	900 W	R88M-K90010T-S2	R88D-KN15H-ECT	R88D-KT15H	R88D-KN15H-ML2
		Straight shaft with key and tap	With brake	8.59 Nm	900 W	R88M-K90010T-BS2	R88D-KN15H-ECT	R88D-KT15H	R88D-KN15H-ML2
		Incremental encoder (20 bit)	No brake	8.59 Nm	900 W	R88M-K90010F-S2	R88D-KN15F-ECT	R88D-KT15F	R88D-KN15F-ML2
		Straight shaft with key and tap		19.1 Nm	2000 W	R88M-K2K010F-S2	R88D-KN30F-ECT	R88D-KT30F	R88D-KN30F-ML2
				28.7 Nm	3000 W	R88M-K3K010F-S2	R88D-KN50F-ECT	R88D-KT50F	R88D-KN50F-ML2
		Absolute encoder (17 bit)	No brake	8.59 Nm	900 W	R88M-K90010F-BS2	R88D-KN15F-ECT	R88D-KT15F	R88D-KN15F-ML2
		Straight shaft with key and tap	With brake	8.59 Nm	900 W	R88M-K2K010F-BS2	R88D-KN30F-ECT	R88D-KT30F	R88D-KN30F-ML2
				28.7 Nm	3000 W	R88M-K3K010F-BS2	R88D-KN50F-ECT	R88D-KT50F	R88D-KN50F-ML2
			No brake	8.59 Nm	900 W	R88M-K90010C-S2	R88D-KN15F-ECT	R88D-KT15F	R88D-KN15F-ML2
		Straight shaft with key and tap	With brake	19.1 Nm	2000 W	R88M-K2K010C-S2	R88D-KN30F-ECT	R88D-KT30F	R88D-KN30F-ML2
				28.7 Nm	3000 W	R88M-K3K010C-S2	R88D-KN50F-ECT	R88D-KT50F	R88D-KN50F-ML2
			No brake	43.0 Nm	4500 W	R88M-K4K510C-S2	R88D-KN50F-ECT	R88D-KT50F	R88D-KN50F-ML2
			With brake	57.3 Nm	6000 W	R88M-K6K010C-S2	R88D-KN75F-ECT	R88D-KT75F	-
				8.59 Nm	900 W	R88M-K90010C-BS2	R88D-KN15F-ECT	R88D-KT15F	R88D-KN15F-ML2
				19.1 Nm	2000 W	R88M-K2K010C-BS2	R88D-KN30F-ECT	R88D-KT30F	R88D-KN30F-ML2
				28.7 Nm	3000 W	R88M-K3K010C-BS2	R88D-KN50F-ECT	R88D-KT50F	R88D-KN50F-ML2
			No brake	43.0 Nm	4500 W	R88M-K4K510C-BS2	R88D-KN50F-ECT	R88D-KT50F	R88D-KN50F-ML2
			With brake	57.3 Nm	6000 W	R88M-K6K010C-BS2	R88D-KN75F-ECT	R88D-KT75F	-

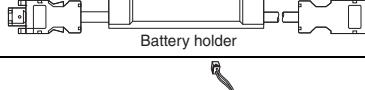
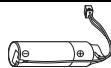
Encoder cables

for absolute and incremental encoders

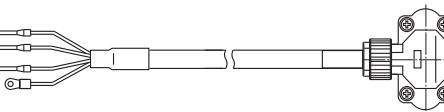
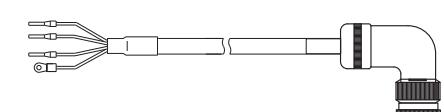
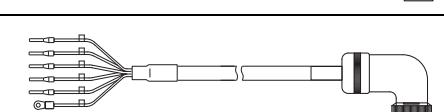
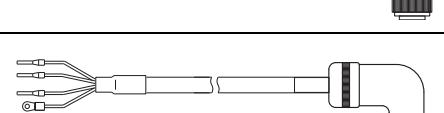
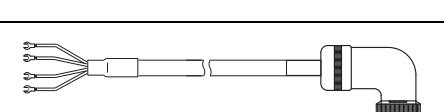
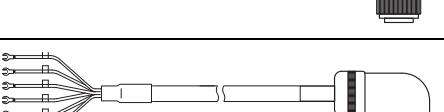
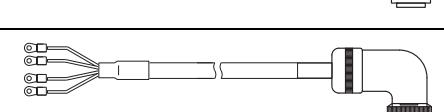
Symbol	Specifications	Model	Appearance
(3) 	Encoder cable for servomotors R88M-K(050/100/200/400/750)30(H/T)□	1.5 m R88A-CRKA001-5CR-E	
		3 m R88A-CRKA003CR-E	
		5 m R88A-CRKA005CR-E	
		10 m R88A-CRKA010CR-E	
		15 m R88A-CRKA015CR-E	
		20 m R88A-CRKA020CR-E	
	Encoder cable for servomotors R88M-K(1K0/1K5)30(H/T)□ R88M-K(750/1K0/1K5/2K0/3K0/4K0/5K0)30(F/C)□ R88M-K(400/600/1K0/1K5/2K0/3K0/4K0/5K0)20□ R88M-K(7K5/11K0/15K0)15□ R88M-K(900/2K0/3K0/4K5/6K0)10□	1.5 m R88A-CRKC001-5NR-E	
		3 m R88A-CRKC003NR-E	
		5 m R88A-CRKC005NR-E	
		10 m R88A-CRKC010NR-E	
	Absolute encoder battery cable R88A-CRKG001-5NR-E	15 m R88A-CRKC015NR-E	
		20 m R88A-CRKC020NR-E	

Note: For servomotors fitted with an absolute encoder you have to add the extension battery cable R88A-CRGD0R3C□ (see below) or connect a backup battery in the CN1 I/O connector.

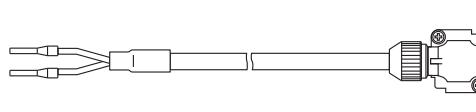
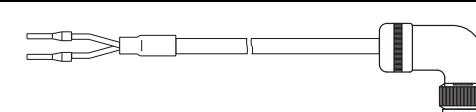
Absolute encoder battery cable (encoder extension cable only)

Symbol	Specifications	Model	Appearance
(4) 	Absolute encoder battery cable R88A-CRKG001-5NR-E	Battery not included 0.3 m R88A-CRGD0R3C-E	 Battery holder
		Battery included 0.3 m R88A-CRGD0R3C-BS-E	
	Absolute encoder backup battery 2,000 mA.h 3.6V	- R88A-BAT01G	

Power cables

Symbol	Specifications		Model	Appearance
(5)	For 200 V servomotors R88M-K(050/100/200/400/750)30(H/T)□	Power cable only (without brake)	1.5 m R88A-CAKA001-5SR-E	
	Note: for servomotors with brake R88M-K(050/100/200/400/750)30(H/T)-BS2, the separate brake cable R88A-CAKA□□□BR-E is needed		3 m R88A-CAKA003SR-E	
			5 m R88A-CAKA005SR-E	
			10 m R88A-CAKA010SR-E	
			15 m R88A-CAKA015SR-E	
	For 200 V servomotors R88M-K(1K0/1K5)30(H/T)□ R88M-K(1K0/1K5)20(H/T)□ R88M-K90010(H/T)□	without brake □-S2	20 m R88A-CAKA020SR-E	
			1.5 m R88A-CAGB001-5SR-E	
			3 m R88A-CAGB003SR-E	
			5 m R88A-CAGB005SR-E	
			10 m R88A-CAGB010SR-E	
	For 400 V servomotors R88M-K(750/1K0/1K5/2K)30(F/C)□ R88M-K(400/600/1K0/1K5/2K)20(F/C)□ R88M-K90010(F/C)□	without brake □-S2	15 m R88A-CAGB015SR-E	
			20 m R88A-CAGB020SR-E	
		with brake □-BS2	1.5 m R88A-CAGB001-5BR-E	
			3 m R88A-CAGB003BR-E	
			5 m R88A-CAGB005BR-E	
		without brake □-S2	10 m R88A-CAGB010BR-E	
			15 m R88A-CAGB015BR-E	
			20 m R88A-CAGB020BR-E	
	For 400 V servomotors R88M-K(3K0/4K0/5K0)30(F/C)□ R88M-K(3K0/4K0/5K0)20(F/C)□ R88M-K(2K0/3K0)10(F/C)□ R88M-K4K510C□	with brake □-BS2	1.5 m R88A-CAKF001-5BR-E	
			3 m R88A-CAKF003BR-E	
			5 m R88A-CAKF005BR-E	
			10 m R88A-CAKF010BR-E	
			15 m R88A-CAKF015BR-E	
	For 400 V servomotors R88M-K6K010C□ R88M-K7K515C□ Note: for servomotors with brake R88M-K(6K010/7K515)C-BS2 the separate brake cable R88A-CAGE□□□BR-E is needed	Power cable only (without brake)	20 m R88A-CAKF020BR-E	
			1.5 m R88A-CAGD001-5SR-E	
			3 m R88A-CAGD003SR-E	
			5 m R88A-CAGD005SR-E	
			10 m R88A-CAGD010SR-E	
		with brake □-BS2	15 m R88A-CAGD015SR-E	
			20 m R88A-CAGD020SR-E	
			1.5 m R88A-CAKE001-5SR-E	
			3 m R88A-CAKE003SR-E	
			5 m R88A-CAKE005SR-E	
	For 400 V servomotors R88M-K(11K0/15K0)15C	Power cable only (without brake)	10 m R88A-CAKE010SR-E	
			15 m R88A-CAKE015SR-E	
			20 m R88A-CAKE020SR-E	
	Note: for servomotors with brake R88M-K(11K0/15K0)15C-BS2, the separate brake cable R88A-CAGE□□□BR-E is needed	Power cable only (without brake)	1.5 m R88A-CAKG001-5SR-E	
			3 m R88A-CAKG003SR-E	
			5 m R88A-CAKG005SR-E	
			10 m R88A-CAKG010SR-E	
			15 m R88A-CAKG015SR-E	
			20 m R88A-CAKG020SR-E	

Brake cables (for 200 V 50-750 W servo motors and 400 V 6-15 kW servo motors)

Symbol	Specifications		Model	Appearance
(6)	Brake cable only. For 200 V servo motors with brake R88M-K(050/100/200/400/750)30(H/T)-BS2	Power cable only (without brake)	1.5 m R88A-CAKA001-5BR-E	
			3 m R88A-CAKA003BR-E	
			5 m R88A-CAKA005BR-E	
			10 m R88A-CAKA010BR-E	
			15 m R88A-CAKA015BR-E	
		Brake cable only. For 400 V servo motors with brake R88M-K6K010C-BS2 R88M-K(7K5/11K0/15K0)15C-BS2	20 m R88A-CAKA020BR-E	
			1.5 m R88A-CAGE001-5BR-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	

Connectors for encoder, power and brake cables

Specifications	Applicable Servomotor		Model
Connectors for making encoder cables	Drive side (CN2)	All models	R88A-CNW01R
	Motor side	R88M-K(050/100/200/400/750)30(H/T)□	R88A-CNKO2R
	Motor side	R88M-K(1K0/1K5)30(H/T)□ R88M-K(750/1K0/1K5/2K0/3K0/4K0/5K0)30(F/C)□ R88M-K(400/600/1K0/1K5/2K0/3K0/4K0/5K0)20□ R88M-K(900/2K0/3K0)10□ R88M-K(4K5/6K0)10C-□ R88M-K(7K5/11K0/15K0)15C-□	R88A-CNKO4R
Connectors for making power cables	Motor side	R88M-K(050/100/200/400/750)30(H/T)□	R88A-CNKO11A
	Motor side	R88M-K(1K0/1K5)30(H/T)-S2 R88M-K(1K0/1K5)20(H/T)-S2 R88M-K90010(H/T)-S2 R88M-K(750/1K0/1K5/2K0)30(F/C)-S2, R88M-K(400/600/1K0/1K5/2K0)20(F/C)-S2 R88M-K90010(F/C)-S2	MS3108E20-4S
	Motor side	R88M-K(1K0/1K5)30(H/T)-BS2 R88M-K(1K0/1K5)20(H/T)-BS2 R88M-K90010(H/T)-BS2	MS3108E20-18S
	Motor side	R88M-K(750/1K0/1K5/2K0/3K0/4K0/5K0)30(F/C)-BS2 R88M-K(400/600/1K0/1K5/2K0/3K0/4K0/5K0)20(F/C)-BS2 R88M-K(900/2K0/3K0)10(F/C)-BS2 R88M-K4K510C-BS2	MS3108E24-11S
	Motor side	R88M-K(3K0/4K0/5K0)30(F/C)-S2 R88M-K(3K0/4K0/5K0)20(F/C)-S2 R88M-K(2K0/3K0)10(F/C)-S2 R88M-K4K510C-S2	MS3108E22-22S
	Motor side	R88M-K6K010C-□ R88M-K(7K5/11K0/15K0)15C-□	MS3108E32-17S
	Motor side	R88M-K(050/100/200/400/750)30(H/T)-BS2	R88A-CNKO11B
Connector for brake cable	Motor side	R88M-K6K010C-BS2	MS3108E14S-2S
	Motor side	R88M-K(7K5/11K0/15K0)15C-BS2	

Note: 1. All cables listed are flexible and shielded (except the R88A-CAKA□□□-BR-E which is only a flexible cable).

2. All connectors and cables listed have IP67 class (except R88A-CNWO1R connector and R88A-CRGD0R3C cable).

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.
To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.