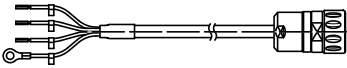
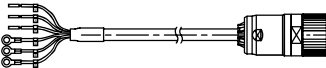
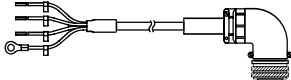
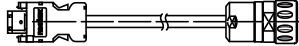
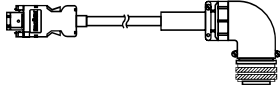


Power Cables

Symbol	Specifications	Model	Appearance
A	For 200V Servomotors without brake SGMAH-□□A□□□1D-OY SGMPH-(01/02/04/08)A□□41D-OY	3 m R88A-CAWA003S-DE 5 m R88A-CAWA005S-DE 10 m R88A-CAWA010S-DE 15 m R88A-CAWA015S-DE 20 m R88A-CAWA020S-DE	
	For 200V Servomotors with brake SGMAH-□□A□□□CD-OY SGMPH-(01/02/04/08)A□□4CD-OY	3 m R88A-CAWA003B-DE 5 m R88A-CAWA005B-DE 10 m R88A-CAWA010B-DE 15 m R88A-CAWA015B-DE 20 m R88A-CAWA020B-DE	
	For 200V Servomotors without brake SGMPH-15A□□□1D-OY	3 m R88A-CAWB003S-DE 5 m R88A-CAWB005S-DE 10 m R88A-CAWB010S-DE 15 m R88A-CAWB015S-DE 20 m R88A-CAWB020S-DE	
	For 200V Servomotors with brake SGMPH-15A□□□CD-OY	3 m R88A-CAWB003B-DE 5 m R88A-CAWB005B-DE 10 m R88A-CAWB010B-DE 15 m R88A-CAWB015B-DE 20 m R88A-CAWB020B-DE	
	For 400V Servomotors without brake SGMAH-□□D□□□1D-OY SGMPH-□□D□□□1D-OY	3 m R88A-CAWK003S-DE 5 m R88A-CAWK005S-DE 10 m R88A-CAWK010S-DE 15 m R88A-CAWK015S-DE 20 m R88A-CAWK020S-DE	
	For 400V Servomotors with brake SGMAH-□□D□□□CD-OY SGMPH-□□D□□□CD-OY	3 m R88A-CAWK003B-DE 5 m R88A-CAWK005B-DE 10 m R88A-CAWK010B-DE 15 m R88A-CAWK015B-DE 20 m R88A-CAWK020B-DE	
	For 400V Servomotors SGMGH-(05/09/13)D□ SGMSH-(10/15/20)D□ SGMUH-(10/15)D□ For servomotors with Brake a separate cable (R88A-CAWC0□□B-E) is needed	3 m R88A-CAWC003S-E 5 m R88A-CAWC005S-E 10 m R88A-CAWC010S-E 15 m R88A-CAWC015S-E 20 m R88A-CAWC020S-E	
	For 400V Servomotors SGMGH-(20/30)D□ SGMSH-(30/40/50)D□ SGMUH-(30/40)D□ For servomotors with Brake a separate cable (R88A-CAWC0□□B-E) is needed	3 m R88A-CAWD003S-E 5 m R88A-CAWD005S-E 10 m R88A-CAWD010S-E 15 m R88A-CAWD015S-E 20 m R88A-CAWD020S-E	
	For 400V Servomotors SGMGH-44D□ For servomotors with Brake a separate cable (R88A-CAWC0□□B-E) is needed	3 m R88A-CAWG003S-E 5 m R88A-CAWG005S-E 10 m R88A-CAWG010S-E 15 m R88A-CAWG015S-E 20 m R88A-CAWG020S-E	
	For 400V Servomotors SGMGH-55D□ For servomotors with Brake a separate cable (R88A-CAWC0□□B-E) is needed	3 m R88A-CAWF003S-E 5 m R88A-CAWF005S-E 10 m R88A-CAWF010S-E 15 m R88A-CAWF015S-E 20 m R88A-CAWF020S-E	
	For 400V Servomotors SGMGH-(75/1A)D□ For servomotors with Brake a separate cable (R88A-CAWC0□□B-E) is needed	3 m R88A-CAWH003S-E 5 m R88A-CAWH005S-E 10 m R88A-CAWH010S-E 15 m R88A-CAWH015S-E 20 m R88A-CAWH020S-E	
	For 400V Servomotors SGMGH-1ED□ For servomotors with Brake a separate cable (R88A-CAWC0□□B-E) is needed	3 m R88A-CAWJ003S-E 5 m R88A-CAWJ005S-E 10 m R88A-CAWJ010S-E 15 m R88A-CAWJ015S-E 20 m R88A-CAWJ020S-E	
	Brake Cable only. For 400V Servomotors with Brake SGMGH-□□D□ SGMSH-□□D□ SGMUH-□□D□	3 m R88A-CAWC003B-E 5 m R88A-CAWC005B-E 10 m R88A-CAWC010B-E 15 m R88A-CAWC015B-E 20 m R88A-CAWC020B-E	

Encoder Cables (for CN2)

Symbol	Specifications	Model	Appearance
B	Encoder cable for SGMH/PH Servomotors SGMAH-□□□□□□□□D-OY SGMPH-□□□□□□□□D-OY	3 m	
		5 m	
		10 m	
		15 m	
		20 m	
	Encoder cable for SGMGH/SH/UH Servomotors SGMGH-□ SGMSH-□ SGMUH-□	3 m	
		5 m	
		10 m	
		15 m	
		20 m	

Control Cables (for CN1)

Symbol	Description	Connect to		Model
③	Control Cable (1 Axis)	Motion Control Units CS1W-MC221 CS1W-MC421 C200H-MC221	1 m	R88A-CPW001M1
			2 m	R88A-CPW002M1
			3 m	R88A-CPW003M1
			5 m	R88A-CPW005M1
	Control Cable (2 Axis)	Motion Control Units CS1W-MC221 CS1W-MC421 C200H-MC221	1 m	R88A-CPW001M2
			2 m	R88A-CPW002M2
			3 m	R88A-CPW003M2
			5 m	R88A-CPW005M2
	Terminal Block (4 Axes)	Motion Control Unit C200HW-MC402-E	-	R88A-TC04-E
	Servodrive connecting Ca- ble (1 Axis)		1 M	R88A-CMUK001J3-E2
PLC Unit Control Cables (4 Axes)			1 m	R88A-CMX001S-E
			1 m	R88A-CMX001J1-E
④	Servo Relay Unit	CS1W-NC1□3, CJ1W-NC1□3, or C200HW-NC113 Position Control Unit		XW2B-20J6-1B (1 axis)
		CS1W-NC2□3/4□3, CJ1W-NC2□3/4□3, or C200HW- NC213/413 Position Control Unit		XW2B-40J6-2B (2 axes)
		CQM1H-PLB21 CQM1-CPU43		XW2B-20J6-3B (1 axis)
		CJ1M-CPU22/23		XW2B-20J6-8A (1 axis) XW2B-40J6-9A (2 axes)
⑤	Cable to Servo drive	Servo Relay Units XW2B-□0J6-□B	1 m	XW2Z-100J-B4
			2 m	XW2Z-200J-B4
⑥	Position Control Unit Con- necting Cable	C200H-NC112	0.5 m	XW2Z-050J-A1
			1 m	XW2Z-100J-A1
		C200H-NC211	0.5 m	XW2Z-050J-A2
			1 m	XW2Z-100J-A2
		CQM1-CPU43-V1 and CQM1H-PLB21	0.5 m	XW2Z-050J-A3
			1 m	XW2Z-100J-A3
		CS1W-NC113 and C200HW-NC113	0.5 m	XW2Z-050J-A6
			1 m	XW2Z-100J-A6
		CS1W-NC213/413 and C200HW-NC213/413	0.5 m	XW2Z-050J-A7
			1 m	XW2Z-100J-A7
		CS1W-NC133	0.5 m	XW2Z-050J-A10
			1 m	XW2Z-100J-A10
		CS1W-NC233/433	0.5 m	XW2Z-050J-A11
			1 m	XW2Z-100J-A11
		CJ1W-NC113	0.5 m	XW2Z-050J-A14
			1 m	XW2Z-100J-A14
		CJ1W-NC213/413	0.5 m	XW2Z-050J-A15
			1 m	XW2Z-100J-A15
		CJ1W-NC133	0.5 m	XW2Z-050J-A18
			1 m	XW2Z-100J-A18
		CJ1W-NC233/433	0.5 m	XW2Z-050J-A19
			1 m	XW2Z-100J-A19
		CJ1M-CPU22/23	0.5 m	XW2Z-050J-A27
			1 m	XW2Z-100J-A27
⑦	Control Cable	For General purpose Controllers	1 m	R88A-CPW001S or JZSP-CKI01-1
			2 m	R88A-CPW002S or JZSP-CKI01-1
⑧	Relay Terminal Block Cable	General-purpose Controller	1 m	R88A-CTW001N
			2 m	R88A-CTW002N
	Relay Terminal Block		-	XW2B-50G5

Battery Backup for absolute encoder (for CN8)

Symbol	Name	Model
I	Battery for 30W to 5 kW Drives	JZSP-BA01
	Battery for 6kW to 15 kW Drives	JZSP-BA01-1

Cable (for CN5)

Symbol	Name	Model
J	Analog Monitor Cable	R88A-CMW001S or DE9404559

Options (for CN3)

Symbol	Name	Model
⑪	Parameter Unit with Cable	JUSP-OP02A-2 or R88A-PR02W
⑫	Computer Connecting Cable	R88A-CCW002P2 or JZSP-CMS02

Option Units (for CN10)

Symbol	Name	Model
⑬	1.5 axis Advanced Motion Controller with Host Link Interface	R88A-MCW151-E
	1.5 axis Advanced Motion Controller with DeviceNet Interface	R88A-MCW151-DRT-E
	Mechatrolink-I Interface unit	JUSP-NS100
	Mechatrolink-II Interface unit	JUSP-NS115
	DeviceNet Interface unit with Positioning Functionality	JUSP-NS300
	PROFIBUS-DP Interface unit with Positioning Functionality	JUSP-NS500
	Indexer Unit. Versatile Point to Point Positioning	JUSP-NS600

Connectors

Specification	Model
Control I/O connector (For CN1)	R88A-CNU11C or JZSP-CKI9
Sigma-II Drive Encoder connector (For CN2)	JZSP-CMP9-1
Hypertac Power Connector IP67 (For 200V Motors SGMAH/PH-□□A□□□□D-OY)	SPOC-06K-FSDN169
Hypertac Power Connector IP67 (For 400V Motors SGMAH/PH-□□D□□□□D-OY)	LPRA-06B-FRBN170
Hypertac Encoder Connector IP67 (For Motors SGMAH/PH-□□□□□□□D-OY)	SPOC-17H-FRON169
Military Power connector IP67 (For 400V Motors SGMGH-(05/10/13)D□, SGMSh-(10/15/20)D□, SGMUH-(10/15)D□)	MS3108E18-10S
Military Power connector IP67 (For 400V Motors SGMGH-(20/30/44)D□, SGMSh-(30/40/50)D□, SGMUH-(30/40)D□)	MS3108E22-22S
Military Power connector IP67 (For 400V Motors SGMGH-(55/75/1A/1E)D□)	MS3108E32-17S
Military Brake connector IP67 (For 400V ServoMotors SGMGH-□, SGMSh-□, SGMUH-□)	MS3108E10SL-3S
Military Encoder connector IP67 (For Motors SGMGH-□, SGMSh-□, SGMUH-□)	MS3108E20-29S

Filters

Specifications (applicable Servo Drive)	Model	Rated Current	Rated Voltage
SGDH-A3AE-OY,SGDH-A5AE-OY, SGDH-01AE-OY, SGDH-02AE-OY	R88A-FIW104-SE	4 A	250 VAC Single-Phase
SGDH-04AE-OY	R88A-FIW107-SE	7A	
SGDH-08AE-S-OY	R88A-FIW115-SE	15 A	
SGDH-15AE-S-OY	R88A-FIW125-SE	25 A	
SGDH-05DE-OY, SGDH-10DE-OY, SGDH-15DE-OY	R88A-FIW4006-SE	6 A	400 VAC Three-Phase
SGDH-20DE-OY, SGDH-30DE-OY	R88A-FIW4010-SE	10 A	
SGDH-50DE-OY	R88A-FIW4020-SE	20 A	
SGDH-60DE-OY, SGDH-75DE-OY	R88A-FIW4030-SE	30 A	
SGDH-1ADE-OY, SGDH-1EDE-OY	R88A-FIW4055-SE	55 A	

External Regenerative Resistor

Servo Drive Model	Regenerative Resistor Unit Model	Specifications	Allowable Power Loss
SGDH-60DE-OY to -75DE-OY	JUSP-RA18	18 Ω , 880 W	180 W
SGDH-1ADE-OY to -1EDE-OY	JUSP-RA19	14.25 Ω , 1760 W	350 W

Computer Software

Specifications	Model
SigmaWin	MOTION TOOLS
WMON Win Version 2.0	

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.

To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.