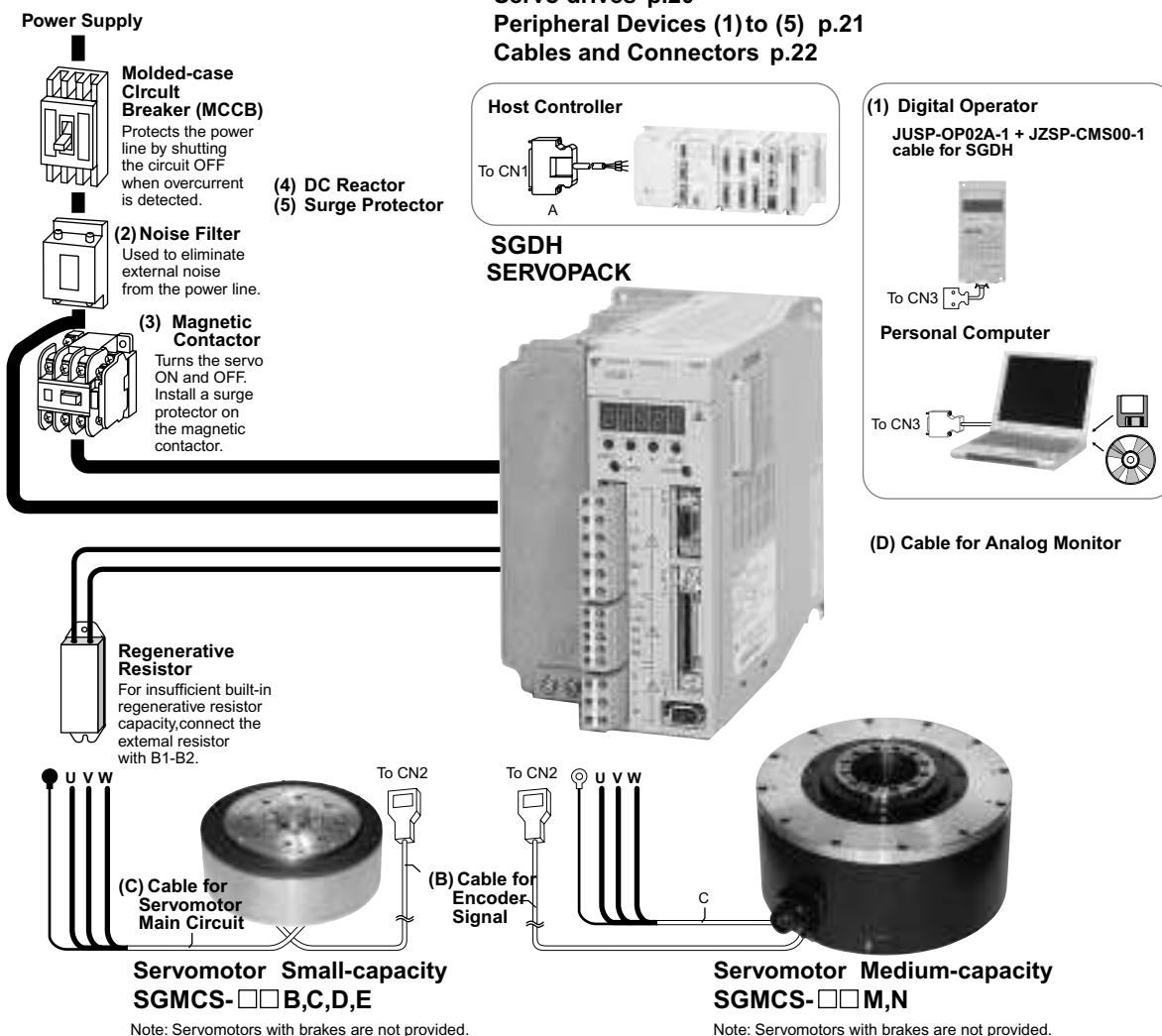


Ordering Reference

- System Configuration



- Order List




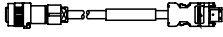
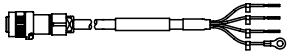
Servo Drives

Servomotor			SERVOPACK		Qty.
Series	Type SGMCS-	Rated Torque	SGDH-		
			Single-phase 200V	Three-phase 200V	
Small-capacity	Outer diameter: 135mm	02B3C11	2 N·m	02AE	
		05B3C11	5 N·m	02AE	
		07B3C11	7 N·m	02AE	
	Outer diameter: 175mm	04C3C11	4 N·m	04AE	
		10C3C11	10 N·m	04AE	
		14C3C11	14 N·m	04AE	
	Outer diameter: 230mm	08D3C11	8 N·m	04AE	
		17D3C11	17 N·m	04AE	
		25D3C11	25 N·m	04AE	
Outer diameter: 290mm	16E3B11	16 N·m		08AE	
	35E3B11	35 N·m		08AE	
Medium-capacity	Outer diameter: 280mm	45M3A31	45 N·m		10AE
		80M3A31	80 N·m		15AE
		1AM3A31	110 N·m		20AE
	Outer diameter: 360mm	80N3A31	80 N·m		15AE
		1EN3A31	150 N·m		30AE
		2ZN3A31	200 N·m		30AE

Peripheral Devices

Name	Part Number	Specifications		Dimensions P.26	Qty.
(1) Digital Operator	JUSP-OP02A-1	SGDH- Requires cable below			
	Cable	(JZSP-CMS00-1)	1m Required when a JUSP-OP02A-1 digital operator for the Sigma series is used. (When using SGDH SERVOPACK)		
(2) Noise Filter (Made by Schaffner EMC Inc.)	FN2070-6/07	Power supply voltages and capacities for applicable SERVOPACKs	Single-phase 200 V 200W	B	
	FN2070-10/07		Single-phase 100 V 200W Single-phase 200 V 400W		
	FN2070-16/07		Single-phase 100 V 400W Single-phase 200 V 750W		
	FN258L-16/07		Three-phase 200 V 0.75kW to 2kW		
	FN258L-30/07		Three-phase 200 V 3 W		
(4) DC reactor for suppressing high harmonic waves	X5070	Power supply voltages and capacities for applicable SERVOPACKs	Single-phase 200V 200W	C	
	X5069		Single-phase 200V 400W		
	X5061		Three-phase 200V 750W		
	X5060		Three-phase 200V 1.5kW 2kW		
	X5059		Three-phase 200V 3kW		
Monitoring and Setup Software (requires interface cable)	TBD	For SGDH amp (compatible with Windows 95, 98, NT; on a CD ROM)			
Software Interface Cable	YS12	Pre-wired 2.0m cable with 9 pin connector			

Cables and Connectors

Name		Part Number	Specifications	Dimensions (P.26, 27)	Qty.
(A) For I/O Signals CN 1	Connector to Terminal Conversion Unit	JUSP-TA50P	Terminal block and cable (0.5 m) 	D	
	Cable with Single Connector (SGDH)	JZSP-CKI01-1(A)	1m		E
		JZSP-CKI01-2(A)	2m		
		JZSP-CKI01-3(A)	3m		
Connector Kit for CN1	JZSP-CKI9	SGDH	Connector and Case 	F	
(B) CN 2 Encoder	Cable with Both End Connectors	JZSP-CMP60-03	3m		G
		JZSP-CMP60-05	5m		
		JZSP-CMP60-10	10m		
		JZSP-CMP60-15	15m		
		JZSP-CMP60-20	20m		
		JZSP-CSP60-03(A)	3m	With Right Angle Motor Connector	-
		JZSP-CSP60-05(A)	5m		
		JZSP-CSP60-10(A)	10m		
		JZSP-CSP60-15(A)	15m		
		JZSP-CSP60-20(A)	20m		
(C) Terminals on SERVOPACK Motor	Cable for Servomotor Main circuit Type SGMCS-□□B -□□C -□□D -□□E	JZSP-CMM60-03	3m		H
		JZSP-CMM60-05	5m		
		JZSP-CMM60-10	10m		
		JZSP-CMM60-15	15m		
		JZSP-CMM60-20	20m		
		JZSP-CSM60-03(A)	3m	With Right Angle Motor Connector	-
		JZSP-CSM60-05(A)	5m		
		JZSP-CSM60-10(A)	10m		
		JZSP-CSM60-15(A)	15m		
		JZSP-CSM60-20(A)	20m		
	Cable for Servomotor Main circuit Type SGMCS-□□M -□□N	B1E-03(A)	3m		J
		B1E-05(A)	5m		
		B1E-10(A)	10m		
		B1E-15(A)	15m		
		B1E-20(A)	20m		
(D) CN 5	Cable for Analog Monitor	DE9404559	1m	I	

● Dimensions for Peripheral Devices and Cables Units : mm

Ⓑ Noise Filter (Screw-terminal model)

Available from Schaffner EMC Inc.
(www.schaffner.com)

Figure 1

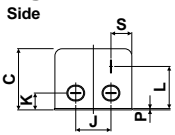
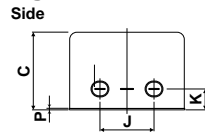
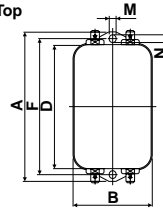


Figure 2



Top



Top

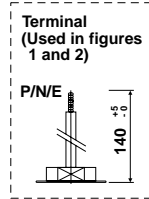
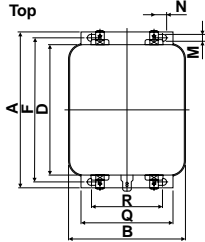
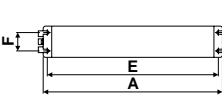
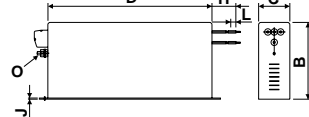


Figure 3

Bottom



Front/Side

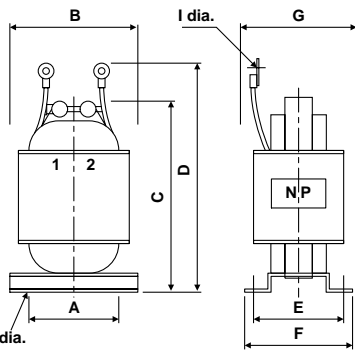


Code	Tolerances	Type		
		FN2070-6/07	FN2070-10/07	FN2070-16/07
		Figure 1		Figure 2
A	±1	113.5	156	119 ±0.5
B	±1	57.5		85.5
C		45.4 ±1.2		57.6
D	±1	94	130.5	98.5
F	±0.3	103	143	109
J	±0.2	25		40
K	±0.5	8.4		8.6
L	±0.5	32.4		
M	±0.1	4.4	5.3	4.4
N	±0.1	6		7.4
P	±0.1	0.9		1.2
Q	±0.3	66		
R	±0.2	51		
S	±0.5	38		
Spec. ^{*1}		250VAC 6A	250VAC 10A	250VAC 16A

Code	Tolerances	Type	
		FN258L-16/07	FN258L-30/07
		Figure 3	
A	±1	305	335
B		142 ±0.8	150 ±1
C	±0.6	55	60
D	±1	275 ±0.8	305
E	±0.5	290	320
F	±0.3	30	35
G	±0.2	6.5	6.5
H	±10	300	400
J	±0.2	1 ±0.1	1.5
L	±1	9	12
O		M5	M6
P		AWG14	AWG10
Spec. ^{*2}		480VAC 16A	480VAC 30A

*1 The rated current is +40°C
*2 The rated current is +50°C

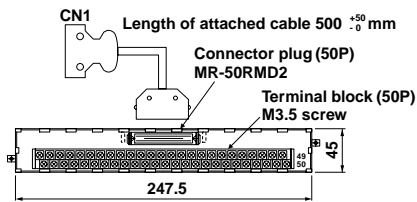
Ⓒ DC Reactor for Suppressing High Harmonic Waves



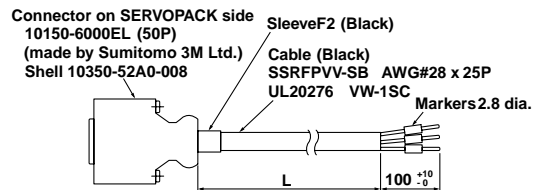
Reactor Type*	Inductance mH	Rated Current A	Dimensions (mm)									Mass (kg)
			A	B	C	D	E	F	G	H	I	
X5070	20.0	1.65	40	59	100	120	35	45	50	4	4.3	0.8
X5069	10.0	3.3	40	59	105	125	45	60	65	4	4.3	1.0
X5061	2.0	4.8	35	52	80	95	35	45	50	4	4.3	0.5
X5060	1.5	8.0	40	59	105	125	45	60	65	4	4.3	1.0
X5059	1.0	14.0	50	74	125	140	35	45	60	5	5.3	1.1

* Type used for orders from the Yaskawa Electric Corporation.

Ⓓ Connector to Terminal Conversion Unit (for CN1)

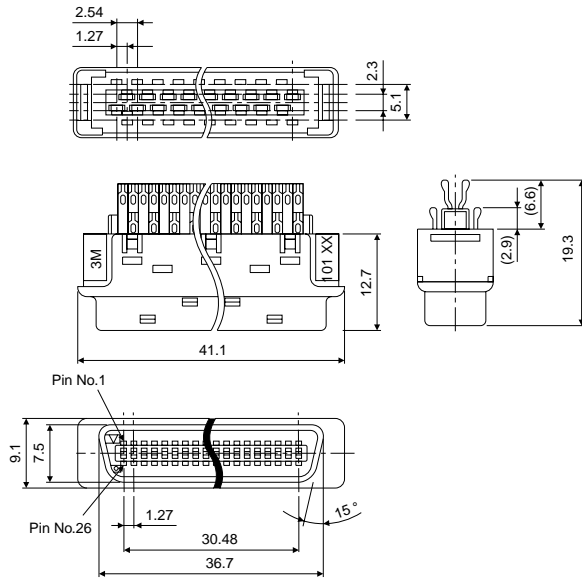


Ⓔ Cable with Single Connector (for CN1)

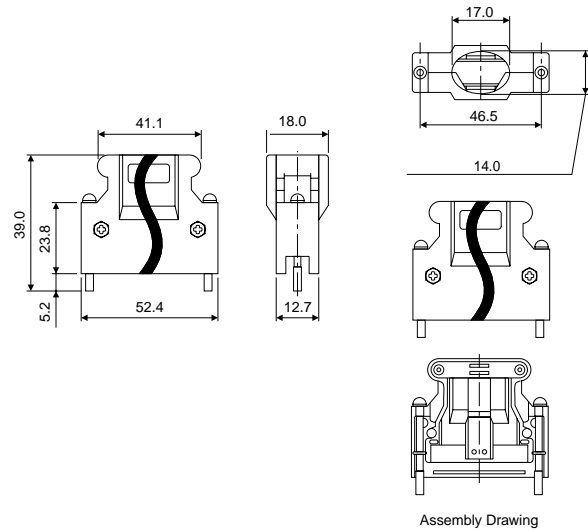


**F Connector Kit for I/O Signals (for CN1)
JZSP-CKI9**

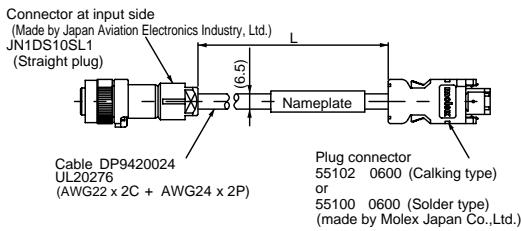
Connector 10150-3000VE (3M Part Number)



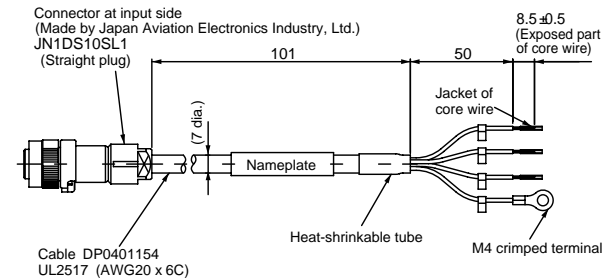
Case: 10350-52A0-008 (3M Part Number)



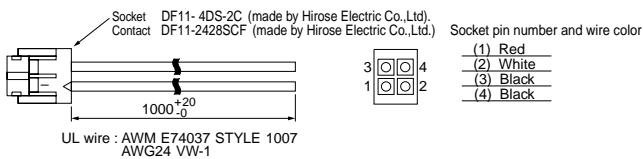
**G Cable with Both End Connectors (for CN2)
JZSP-CMP60-XX**



**H Cable for Servomotor Main Circuit
JZSP-CMM60-XX (Sm. Cap. Only)**



**I Cable for Analog Monitor
DE9404559**



**J Cable for Servo Motor Main Circuit
B1E-XX (A) (Med. Cap. Only)**

Contact Sales Representative for construction details.