



Moving towards tomorrow

MECAPION AC Servo Motor

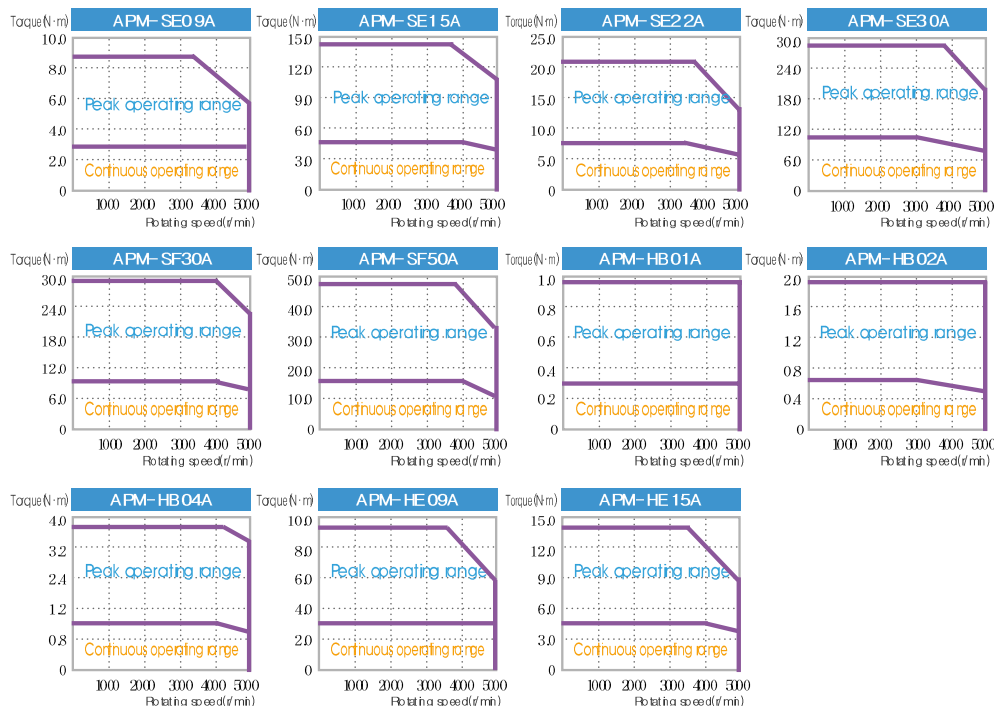
Servo Motor's Characteristics <Rated Speed 3000r/min>

Servo Motor Model (APM-□□□□□)	SE09A	SE15A	SE22A	SE30A	SF30A	SF50A	HB 01A	HB 02A	HB 04A	HE09A	HE15A	
Servo Drive Model (APD-□□□□□)	VS10	VS15	VS20	VS35	VS35	VS50	VS01	VS02	VS04	VS10	VS15	
Flange Size (□)	□130				□180		□60		□130			
Rated Power	[kW]	0.9	1.5	2.2	3.0	3.0	5.0	0.1	0.2	0.4	0.9	1.5
Rated Torque	[N·m]	2.86	4.77	7.0	9.55	9.55	15.91	0.318	0.637	1.274	2.86	4.77
	[kgf·cm]	29.2	48.7	71.4	97.4	97.4	162.3	3.25	6.50	13.0	29.2	48.7
Max. Instantaneous torque	[N·m]	8.59	14.32	21.01	28.65	28.64	47.74	0.955	1.912	3.822	8.59	14.32
	[kgf·cm]	87.7	146.1	214.3	292.2	292.2	487.0	9.74	19.5	39.0	87.7	146.1
Rated rpm	[r/min]	3,000										
Max. rpm	[r/min]	5,000										
Moment of inertia	[kg·m ² ×10 ⁻⁴]	6.659	11.999	17.339	22.679	30.74	52.13	0.269	0.333	0.461	19.558	22.268
	[gf·cm ² ·s ²]	6.792	12.238	17.685	23.132	31.35	53.16	0.274	0.339	0.470	19.943	22.707
Allowable Load Inertia Ratio		10 times of motor inertia				5 times of motor inertia		10 times of motor inertia		5 times of motor inertia		
Rated Power Rate	[kW/S]	12.31	18.98	28.25	40.17	29.66	48.56	3.34	11.98	34.47	4.10	10.01
Speed, Position Transducer	Standard(Notel)	Incremental 3000[P/R]					Incremental 1024 [P/R]			Incremental 2048[P/R]		
	Option	Absolute, 11/13bit Manchester communication					-			-		
Specification & Features	Protective Method	Totally enclosed, Non ventilated IP65(Excluding the shaft-through section and connectors)										
	Rated Time	Continuous										
	Ambient Temp.	Operating Temp. : 0~40[°C] · Storage Temp. : -20~80[°C]										
	Ambient Temp.	Lower than 90[%] (Avoid condensation)										
	Atmosphere	Avoid direct sunlight, no corrosive gas, inflammable gas, oil mist, or dust										
EV	Elevation/Vibration 49[m/s ²] (5G)											
Weight	[kg]	5.5	7.54	9.68	11.78	12.11	17.7	0.89	1.16	1.69	5.82	7.43



Note) Standard Encoder specification is 5[V] Line Driver.

Rotation Speed-Torque's Characteristics





Characteristics of Servo Motor and Torque's Characteristics

Servo Motor's Characteristics <Rated Speed 2000r/min>

Servo Motor Model (APM-□□□□□)	SC03D	SC05D	SC06D	SC07D	SE 06D	SE 11D	SE 16D	SE 22D
Servo Drive Model (APD-□□□□□)	VS04		VS05		VS05	VS10	VS15	VS20
Flange Size (□)	□80				□130			
Rated Power [kW]	0.3	0.45	0.55	0.65	0.6	1.1	1.6	2.2
Rated Torque	[N · m]	1.43	2.15	2.63	3.09	2.86	5.25	7.63
	[kgf · cm]	14.6	21.9	26.8	31.6	29.2	53.6	77.9
Max. Instantaneous torque	[N · m]	4.29	6.44	7.88	9.29	8.59	15.75	22.92
	[kgf · cm]	43.8	65.7	80.4	94.8	87.7	160.7	233.8
Rated rpm	2,000							
Max. rpm	3,000							
Moment of inertia	[kg · m ² × 10 ⁻⁴]	0.674	1.092	1.509	1.927	6.569	11.999	17.339
	[gf · cm · s ²]	0.687	1.114	1.539	1.966	6.792	12.238	17.685
Allowable Load Inertia Ratio	15 times of motor inertia		10 times of motor inertia		10 times of motor inertia			
Rated Power Rate [kW/S]	30.36	42.19	43.68	47.90	12.31	22.97	33.63	48.61
Speed, Position Transducer	Standard(Notel)	Incremental 2500[P/R]			Incremental 3000[P/R]			
	Option	Absolute, 11/13bit Manchester communication			Absolute, 11/13bit Manchester communication			
Specification & Features	Protective Method	Totally enclosed, Non ventilated IP65(Excluding the shaft-through section and connectors)						
	Rated Time	Continuous						
	Ambient Temp.	Operating Temp. : 0~40[°C] · Storage Temp. : -20~80[°C]						
	Ambient Temp.	Lower than 90[%] (Avoid condensation)						
	Atmosphere	Avoid direct sunlight, no corrosive gas, inflammable gas, oil mist, or dust						
Weight [kg]	Elevation/Vibration 49[m/s ²] (5G)							
	1.85	2.52	3.18	3.90	5.5	7.54	9.68	11.78

⚠ Note) Standard Encoder specification is 5[V] Line Driver.

Rotation Speed-Torque's Characteristics





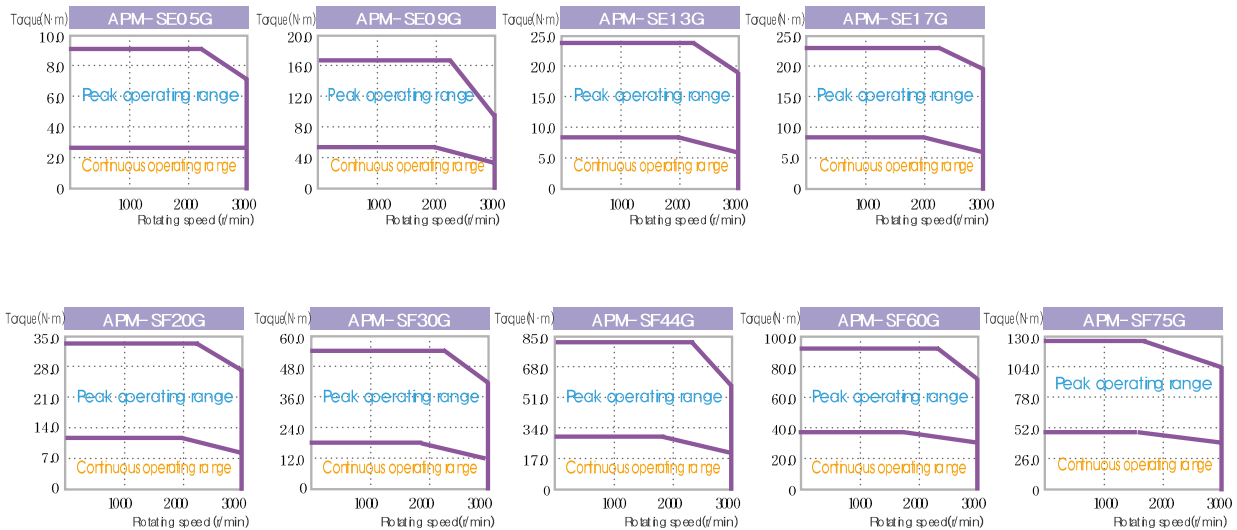
Characteristics of Servo Motor and Torque's Characteristics

Servo Motor's Characteristics <Rated Speed 1500r/min>

Servo Motor Model (APM-□□□□□)	SE05G	SE09G	SE13G	SE17G	SF20G	SF30G	SF44G	SF60G	SF75G	
Servo Drive Model (APD-□□□□□)	VS05	VS10	VS15	VS20	VS20	VS35	VS50	VS75	VS110	
Flange Size (□)	□130				□180					
Rated Power	[kW]	0.45	0.85	1.3	1.7	1.8	2.9	4.4	6.0	7.5
Rated Torque	[N · m]	2.86	5.41	8.27	10.82	11.45	18.46	28.0	38.2	47.7
	[kgf · cm]	29.22	55.19	84.41	110.38	116.88	188.3	285.7	389.8	487.2
Max. Instantaneous torque	[N · m]	8.59	16.23	24.82	32.46	34.35	55.38	84.03	95.5	128.8
	[kgf · cm]	87.66	165.57	253.23	331.14	350.64	564.9	857.1	974.9	1315.4
Rated rpm	[r/min]	1,500								
Max. rpm	[r/min]	3,000						2,500		
Moment of inertia	[kg · m ² × 10 ⁻⁴]	6.659	11.999	17.339	22.679	30.74	52.13	83.60	121.35	143.82
	[gf · cm · s ²]	6.792	12.238	17.685	23.132	31.35	53.16	85.24	123.74	146.76
Allowable Load Inertia Ratio		10 times of motor inertia				5 times of motor inertia				
Rated Power Rate	[kW/S]	12.28	24.39	39.54	51.61	42.70	65.36	93.84	120.32	158.48
Speed, Position Transducer	Standard(Notel)	Incremental 3000[P/R]								
	Option	Absolute, Manchester communication								
Specification & Features	Protective Method	Totally enclosed, Non ventilated IP65(Excluding the shaft-through section and connectors.)								
	Rated Time	Continuous								
	Ambient Temp.	Operating Temp. : 0~40[°C] · Storage Temp. : -20~80[°C]								
	Ambient Temp.	Lower than 90[%] (Avoid condensation)								
	Atmosphere	Avoid direct sunlight, no corrosive gas, inflammable gas, oil mist, or dust								
Weight	[kg]	Elevation/Vibration 49[m/s ²] (5G)								
		5.5	7.54	9.68	11.78	12.4	17.7	26.3	35.6	39.4

Note) Standard Encoder specification is 5[V] Line Driver.

Rotation Speed-Torque's Characteristics





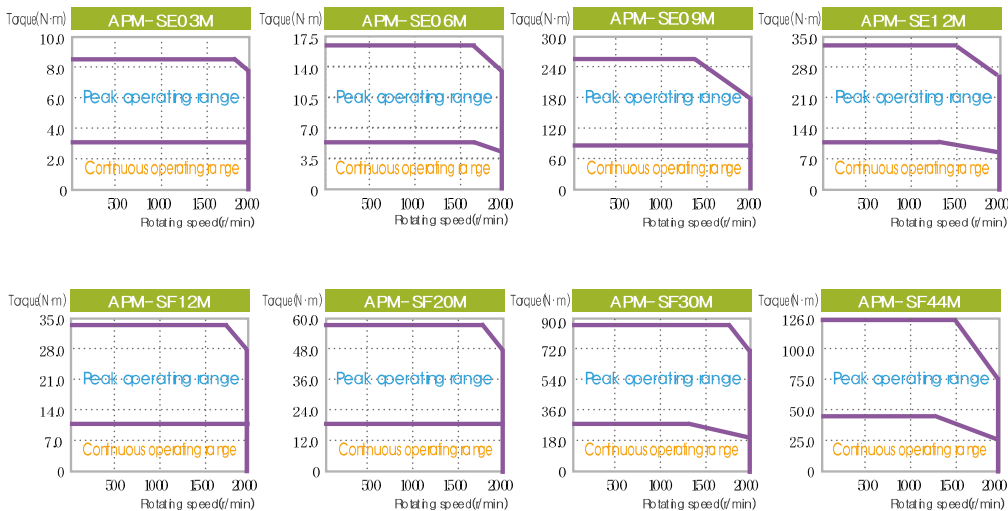
Characteristics of Servo Motor and Torque's Characteristics

Servo Motor's Characteristics <Rated Speed 1000r/min>

Servo Motor Model (APM-□□□□□)	SE03M	S06M	SE09M	SE12M	SF12M	SF20M	SF30M	SF44M	
Servo Drive Model (APD-□□□□□)	VS04	VS05	VS10	VS15	VS15	VS20	VS35	VS50	
Flange Size (□)	□130				□180				
Rated Power [kW]	0.3	0.6	0.9	1.2	1.2	2.0	3.0	4.4	
Rated Torque	[N·m]	2.86	5.72	8.59	11.46	11.46	19.09	28.64	42.02
	[kgf·cm]	29.2	58.4	87.7	116.9	116.9	194.8	292.2	428.7
Max. Instantaneous torque	[N·m]	8.59	17.18	25.77	34.22	34.38	57.29	85.94	126.05
	[kgf·cm]	87.7	175.3	262.9	349.1	350.7	584.4	876.6	1286.2
Rated rpm [r/min]	1,000								
Max. rpm [r/min]	2,000								
Moment of inertia	[kg·m ² ×10 ⁻⁴]	6.659	11.999	17.339	22.679	30.74	52.13	83.60	121.35
	[gf·cm ² ·s ²]	6.792	12.238	17.685	23.132	31.35	53.16	85.24	123.74
Allowable Load Inertia Ratio	10 times of motor inertia				5 times of motor inertia				
Rated Power Rate [kW/S]	12.31	27.34	42.56	57.85	42.70	69.96	98.16	145.55	
Speed, Position Transducer	Standard(Notel)	Incremental 3000[P/R]							
	Option	Absolute, Manchester communication							
Specification & Features	Protective Method	Totally enclosed, Non ventilated IP65(Excluding the shaft-through section and connectors.)							
	Rated Time	Continuous							
	Ambient Temp.	Operating Temp. : 0~40[°C] · Storage Temp. : -20~80[°C]							
	Ambient Temp.	Lower than 90[%] (Avoid condensation)							
	Atmosphere	Avoid direct sunlight, no corrosive gas, inflammable gas, oil mist, or dust							
Weight [kg]	E/V	Elevation/Vibration 49[m/s ²](5G)							
		5.5	7.54	9.68	11.78	12.4	17.7	26.3	35.6

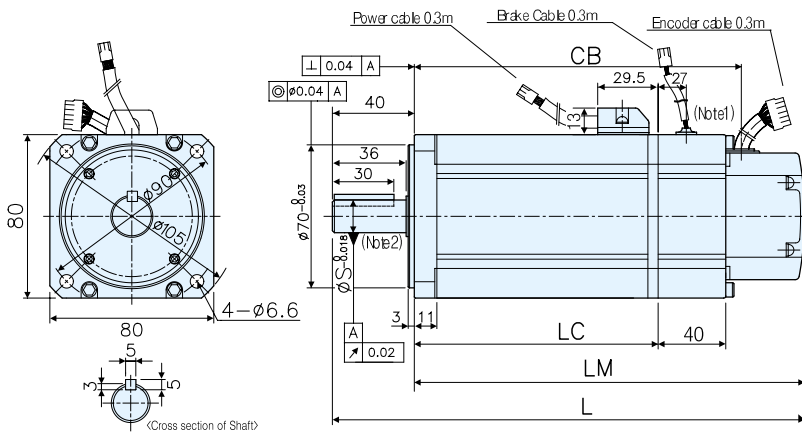
Note) Standard Encoder specification is 5[V] Line Driver.

Rotation Speed-Torque's Characteristics



Servo Motor Dimension

SC Serie | APM-SC04A, SC03D, APM-SC06A, SC05D, APM-SC08A, SC06D, APM-SC10A, SC07D



Model	External Dimension					Weight (kg)
	L	LM	LC	CB	S	
SC04A, SC03D	158(198)	118(158)	79	86.5(127)	14	1.88(2.92)
SC06A, SC05D	178(218)	138(178)	99	106.5(147)	16	2.52(3.56)
SC08A, SC06D	198(238)	158(198)	119	126.5(167)	16	3.18(4.22)
SC10A, SC07D	218(258)	178(218)	139	146.5(187)	16	3.90(4.94)

Plug Specification



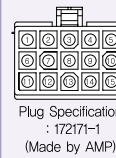
Pin No.	Color	Phase
1	Red	U
2	White	V
3	Black	W
4	Green	Ground

(Power connector Pin)



Pin No.	Color	Phase
1	Red	BK+
2	White	BK-

(Brake connector Pin)

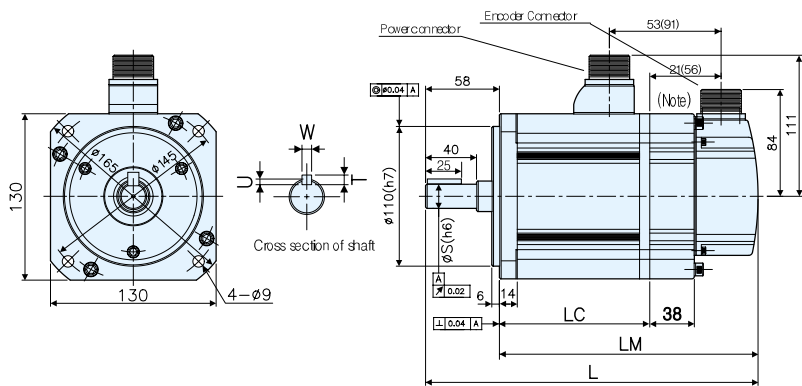


Pin No.	Phase	Pin No.	Phase
1	A	9	V
2	\bar{A}	10	\bar{V}
3	B	11	W
4	\bar{B}	12	\bar{W}
5	Z	13	+5V
6	\bar{Z}	14	0V
7	U	15	SHIELD
8	\bar{U}		

(Encoder connector Pin)

- Note 1) Use DC24V for brake input supply
 2) The dimension in () is for Brake attached motor
 3) When Drawing for oil seal attached motor is needed, Please contact to us the dimension for Oil seal attached motor is different with standard motor.

SE Serie | APM-SE09A, SE06D, SE05G, SE03M, APM-SE15A, SE11D, SE09G, SE06M, APM-SE22A, SE16D, SE13G, SE09M, APM-SE30A, SE22D, SE17G, SE12M



Model	External Dimension				Key			Weight (kg)
	L	LM	LC	S	T	W	U	
SE09A, SE06D, SE05G, SE03M	202(240)	144(182)	94	19	5	5	3	5.5(7.04)
SE15A, SE11D, SE09G, SE06M	226(264)	168(206)	118	19	5	5	3	7.54(9.08)
SE22A, SE16D, SE13G, SE09M	250(288)	192(230)	142	22	6	6	3.5	9.68(11.22)
SE30A, SE22D, SE17G, SE12M	274(312)	216(254)	166	22	6	6	3.5	11.78(13.32)

Plug Specification



Pin No.	Phase
A	U
B	V
C	W
D	Ground

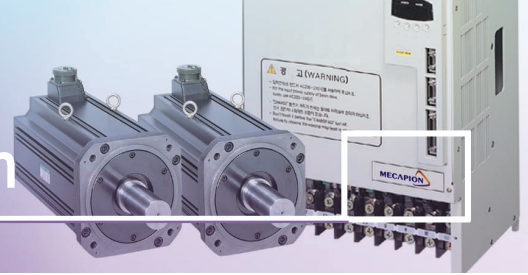


Pin No.	Phase	Pin No.	Phase
A	U	D	Ground
B	V	E	BK+
C	W	F	BK-



Pin No.	Phase	Pin No.	Phase
A	A	M	V
B	\bar{A}	N	\bar{V}
C	B	P	W
D	\bar{B}	R	\bar{W}
E	Z	H	+5V
F	\bar{Z}	G	0V
K	U	J	SHIELD
L	\bar{U}		

- Note 1) Use DC24V or DC90V for brake input supply depending on Brake specification
 2) The dimension in () is for Brake attached motor



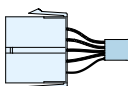
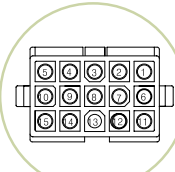
Options(Cable)

Incremental Encoder Cable

Model (★Note1) : **APC - E□□□AS**

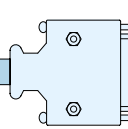
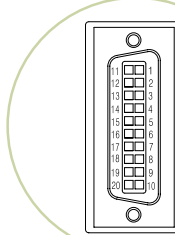
Applicable Motor : All models of APM-SA Series, APM-SB Series, APM-SC Series, APM-HB Series

Motor Side Connector

AMP 172163-1 CAP
(15 Circuits)

Drive Side Connector(CN2)

3M 10320-52A0-008
(15 Circuits)

- Motor Side Connector**
CAP (15 Position) : 172163-1(Made by AMP)
SOCKET : 170861-1(Made by AMP)
- Drive Side Connector(CN2)**
CASE : 10320-52A0-008(Made by 3M)
CONNECTOR : 10120-3000VE(Made by 3M)
- Cable**
7P×0.2SQ(AWG24)

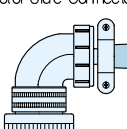
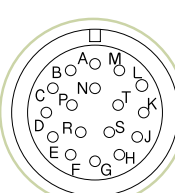
PIN NO.	Encoder signal	PIN NO.	Encoder signal
1	A	9	V
2	\bar{A}	10	\bar{V}
3	B	11	W
4	\bar{B}	12	\bar{W}
5	Z	13	+5V
6	\bar{Z}	14	0V
7	U	15	SHIELD
8	\bar{U}		

PIN NO.	Encoder signal	PIN NO.	Encoder signal
1	W	11	Z
2	\bar{W}	12	SHIELD
3	V	13	\bar{B}
4	\bar{V}	14	Z
5	U	15	\bar{A}
6	\bar{U}	16	B
7	-	17	-
8	-	18	A
9	0V	19	+5V
10	-	20	-

Model (★Note1) : **APC-E□□□BS**

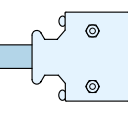
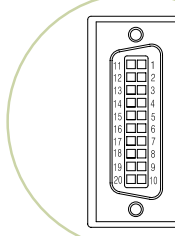
Applicable Motor : All models of APM-SE Series, APM-SF Series, APM-SG Series, APM-HE Series

Motor Side Connector

MS3108B20-29S
(15Circuits)

Drive Side Connector(CN2)

3M 10320-52A0-008
(15 Circuits)

- Motor Side Connector(MSMilitary Standard)**
PLUG : MS3108B(MS3106B) 20-29S
- Drive Side Connector(CN2)**
CASE : 10320-52A0-008(Made by 3M)
CONNECTOR : 10120-3000VE(Made by 3M)
- Cable**
7P×0.2SQ(AWG24)

PIN NO.	Encoder signal	PIN NO.	Encoder signal
A	A	M	V
B	\bar{A}	N	\bar{V}
C	B	P	W
D	\bar{B}	R	\bar{W}
E	Z	H	+5V
F	\bar{Z}	G	0V
K	U	J	SHIELD
L	\bar{U}		

PIN NO.	Encoder signal	PIN NO.	Encoder signal
1	W	11	Z
2	\bar{W}	12	SHIELD
3	V	13	\bar{B}
4	\bar{V}	14	Z
5	U	15	\bar{A}
6	\bar{U}	16	B
7	-	17	-
8	-	18	A
9	0V	19	+5V
10	-	20	-

Note1) □□□ of model indicates the kind and length of cable, and notation is as below

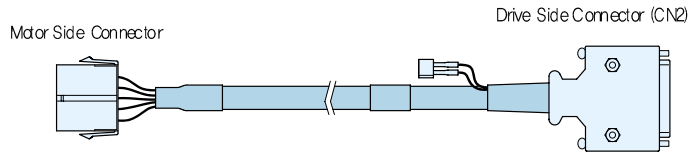
Standard Cable Length (m)	3	5	10	20
Robotic Cable	F03	F05	F10	F20
General Cable	N03	N05	N10	N20



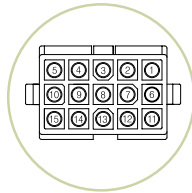
Absolute Encoder Cable

Model (★Note1) : **APC-E□□□AA**

Applicable Motor : All models of APM-SB Series, APM-SC Series

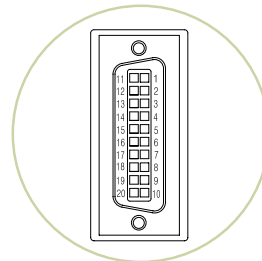


- Motor Side Connector**
 CAP (15 Position) : 172163-1(Made by AMP)
 SOCKET : 170361-1(Made by AMP)
- Drive Side Connector (CN2)**
 CASE : 10320-52A0-008(Made by 3M)
 CONNECTOR : 10120-3000VE(Made by 3M)
- Cable**
 7P×0.25SQ(AWG24)
- BATTERY CONNECTOR**
 5267-02A(Made by MOLEX)



AMP 172163-1 CAP
(15Circuits)

Pin No.	Encoder Phase	Pin No.	Encoder Phase
1	A	9	BATTERY
2	Ā	10	BATTERY OV
3	B	11	RX
4	B̄	12	R̄X
5	Z	13	+5V
6	Z̄	14	OV
7	CLR	15	SHIELD
8	FG		

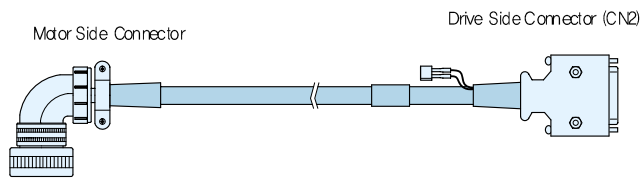


3M 10320-52A0-008
(15 Circuits)

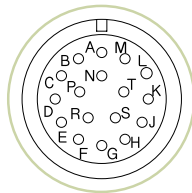
Pin No.	Encoder Phase	Pin No.	Encoder Phase
1	RX	11	Z̄
2	R̄X	12	SHIELD,FG
3	—	13	B̄
4	—	14	Z
5	—	15	Ā
6	—	16	B
7	—	17	—
8	—	18	A
9	OV	19	+5V
10	—	20	CLR

Model (★Note1) : **APC-E□□□BA**

Applicable Motor : All models of APM-SE Series, APM-SF Series, APM-SG Series

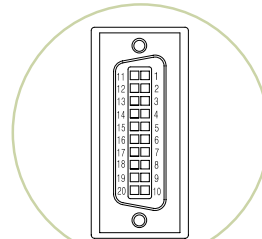


- Motor Side Connector (MS : Military Standard)**
 FLUG : MS3108B3106B)20-29S
- Drive Side Connector (CN2)**
 CASE : 10320-52A0-008(Made by 3M)
 CONNECTOR : 10120-3000VE(Made by 3M)
- Cable**
 7P×0.25SQ(AWG24)
- BATTERY CONNECTOR**
 5267-02A(Made by MOLEX)



MS3108B20-29S
(15Circuits)

Pin No.	Encoder Phase	Pin No.	Encoder Phase
A	A	M	CLR
B	Ā	N	FG
C	B	P	RX
D	B̄	R	R̄X
E	Z	H	+5V
F	Z̄	G	OV
K	BATTERY	J	SHIELD
L	BATTERY OV		



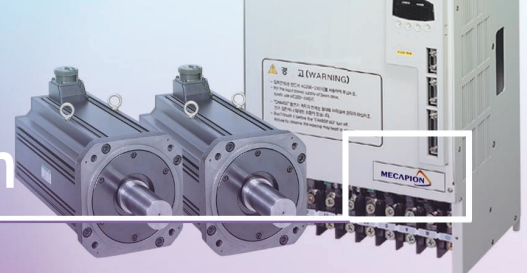
3M 10320-52A0-008
(15 Circuits)

Pin No.	Encoder Phase	Pin No.	Encoder Phase
1	RX	11	Z̄
2	R̄X	12	SHIELD,FG
3	—	13	B̄
4	—	14	Z
5	—	15	Ā
6	—	16	B
7	—	17	—
8	—	18	A
9	OV	19	+5V
10	—	20	CLR

Note1) □□ of model indicates the kind and length of cable, and notation is as below

Standard Cable Length (m)	3	5	10	20
Robotic Cable	F03	F05	F10	F20
General Cable	N03	N05	N10	N20





Options(Cable)

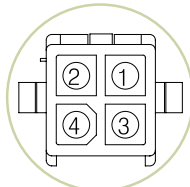
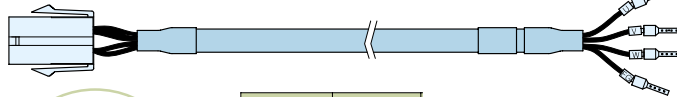
Power cable

Model (★Note1) : APC - P□□□CS

Applicable Motor : All models of APM-SA Series, APM-SB Series, APM-HB Series / APM-SC04A, SC06A, SC03D, SC05D

Motor Side Connector

Drive Side Connector



AMP 172159-1 CAP
(4Circuits)

Pin No.	Phase
1	U
2	V
3	W
4	Ground

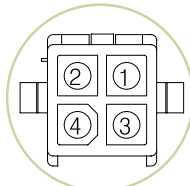
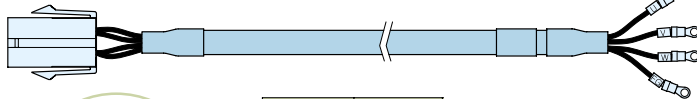
- Motor Side Connector**
CAP (4 Position) : 172159-1(Made by AMP)
SOCKET : 170362-1(Made by AMP)
- Drive Side Connector (U,V,W,FG)**
PN : UA-F1512(Made by Suh-il Electronic)
Compressor : UA-510A
(Made by Suh-il Electronic)
- Cable**
4C×0.75SQ(AWG20)

Model (★Note1) : APC - P□□□DS

Applicable Motor : APM-SC08A, SC10A, SC06D, SC07D

Motor Side Connector

Drive Side Connector



AMP 172159-1 CAP
(4Circuits)

Pin No.	Phase
1	U
2	V
3	W
4	Ground

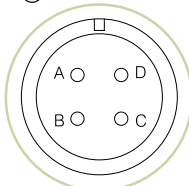
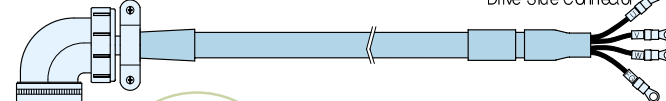
- Motor Side Connector**
CAP (4 Position) : 172159-1(Made by AMP)
SOCKET : 170362-1(Made by AMP)
- Drive Side Connector (U,V,W,FG)**
Connection terminals : 1.25×3(KET GP110012)
- Cable**
4C×0.75SQ(AWG18)

Model (★Note1) : APC - P□□□ES

Applicable Motor : All models of APM-SE Series, APM-HE Series

Motor Side Connector

Drive Side Connector



MS3108B20-4S
(4Circuits)

Pin No.	Phase
A	U
B	V
C	W
D	Ground

- Motor Side Connector(MS: Military Standard)**
PLUG : MS3108B(MS3106B)20-4S
- Drive Side Connector (U,V,W,FG)**
Connection terminals : 2.5×4(KET GP110721)
- Cable**
4C×20SQ(AWG14)



Note) For drive side connector of APM-SE03M Series cable, UA-F1512 pin is to be applied

Note1) □□□ of model indicates the kind and length of cable, and notation is as below

Standard Cable Length (m)	3	5	10	20
Robotic Cable	F03	F05	F10	F20
General Cable	N03	N05	N10	N20



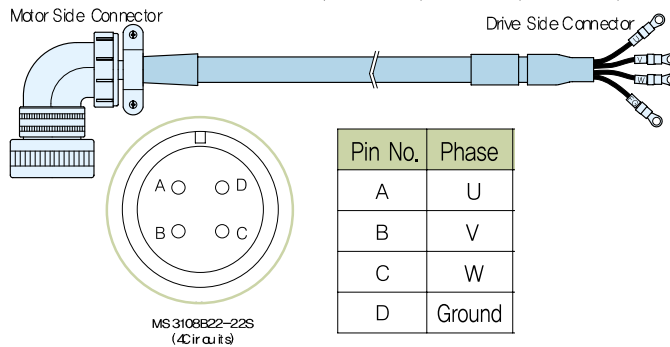
Moving towards tomorrow

MECAPION AC Servo System

Power cable

Model (★Note1) : **APC-P□□□FS**

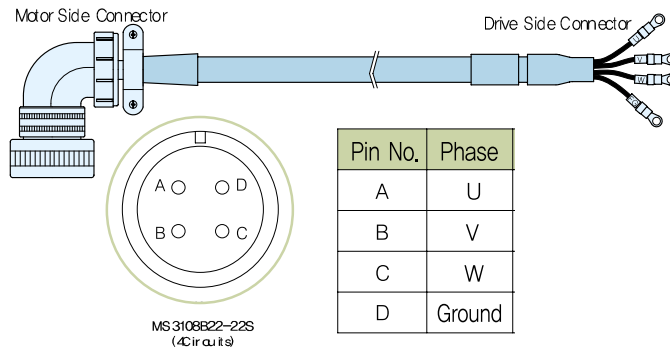
Applicable Motor : APM-SF30A, SF22D, SF35D, SF20G, SF30G, SF12M, SF20M, SF30M
SG22D, SG35D, SG20G, SG30G, SG12M, SG20M, SG30M



1. Motor Side Connector(MS: Military Standard)
PLUG : MS3108B(MS3106B)22-22S
2. Drive Side Connector(U, V, W, FG)
Connection terminals : 3.5x5(KET GP110028)
3. Cable
4Cx3.5SQ(AWG12)

Model (★Note1) : **APC-P□□□GS**

Applicable Motor : APM-SF50A, SF55D, SF75D, SF44G, SF60G, SF75G, SF44M
SG55D, SG75D, SG44G, SG60G, SG44M



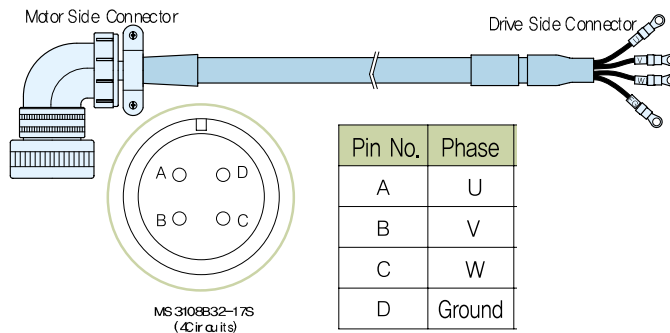
1. Motor Side Connector(MS: Military Standard)
PLUG : MS3108B(MS3106B)22-22S
2. Drive Side Connector(U, V, W, FG)
Connection terminals : 5.5x5(KET GP110028)
3. Cable
4Cx5.0SQ(AWG10)

Model (★Note1,2) : **APC-P□□□RS**

Applicable Motor : APM-SG110D, SG150G, SG60M

Model (★Note1,3) : **APC-P□□□SS**

Applicable Motor : SG85G, SG110G



★Note2

1. Motor Side Connector(MS: Military Standard)
PLUG : MS3108B(MS3106B)32-17S
2. Drive Side Connector(U, V, W, FG)
Connection terminals : 8.0x8(KET GP140841)
3. Cable
4Cx8.0SQ(AWG8)

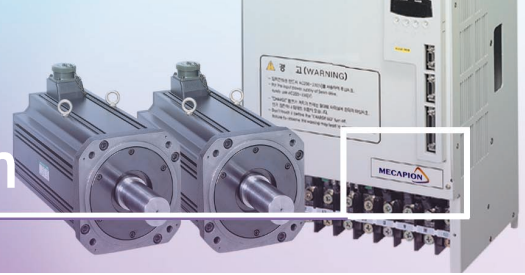
★Note3

1. Motor Side Connector(MS: Military Standard)
PLUG : MS3108B(MS3106B)32-17S
2. Drive Side Connector(U, V, W, FG)
Connection terminals : 11Cx8(KET GP140841)
3. Cable
4Cx14.0SQ(AWG6)

Note1) □□□ of model indicates the kind and length of cable, and notation is as below

Standard Cable Length (m)	3	5	10	20
Robotic Cable	F03	F05	F10	F20
General Cable	N03	N05	N10	N20



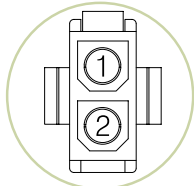
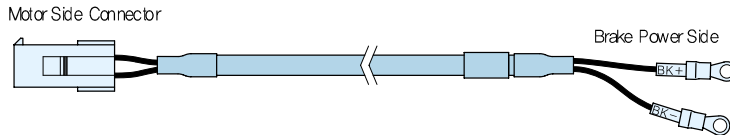


Options(Cable)

Brake cable

Model (★Note1) : APC-P□□□KB

Applicable Motor : All models of APM-SA Series, APM-SB Series, APM-SC Series



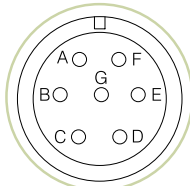
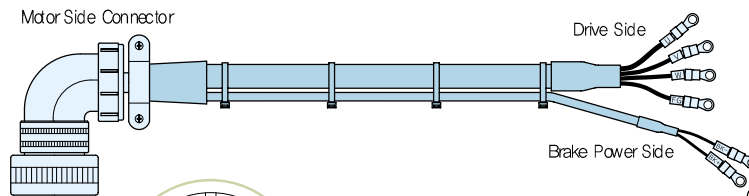
AMP 172157-1 CAP
(2Circuits)

Pin No.	Phase
1	BK+
2	BK-

- 1. Motor Side Connector**
CAP (2 Position) : 172157-1(Made by AMP)
SOCKET : 170362-1(Made by AMP)
- 2. Brake Power Side**
Connection terminals : 1.25×3(KET GP110012)
Cable : 2C×0.75SQ(AWG18)

Model (★Note1) : APC-P□□□MB

Applicable Motor : All models of APM-SE Series



MS 3108B20-15S
(6Circuits)

Pin No.	Phase
A	U
B	V
C	W
D	Ground
E	BK+
F	BK-

- 1. Motor Side Connector (MSMilitary Standard)**
PLUG : MS3108B(MS3106B)20-15S
- 2. Drive Side (U,V,W,FG)**
Connection terminals : 2.5×4(KET GP110721)
Cable : 4C×2.0SQ(AWG14)
- 3. Brake Power Side (+,-)**
Connection terminals : 1.25×3(KET GP110102)
Cable : 2C×0.75SQ(AWG18)

Note) For drive side connector of APM-SE03M Series cable, UA-F1512 pin is to be applied

Note1) □□□ of model indicates the kind and length of cable, and notation is as below

Standard Cable Length (m)	3	5	10	20
Robotic Cable	F03	F05	F10	F20
General Cable	N03	N05	N10	N20



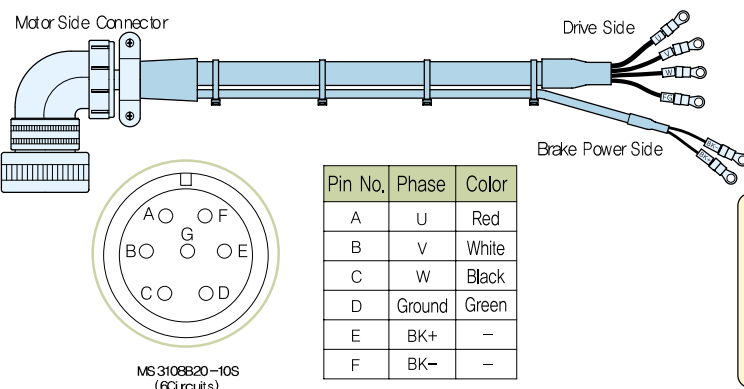
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MECAPION AC Servo System

Brake cable

Model (★Note1) : APC-P□□□NB

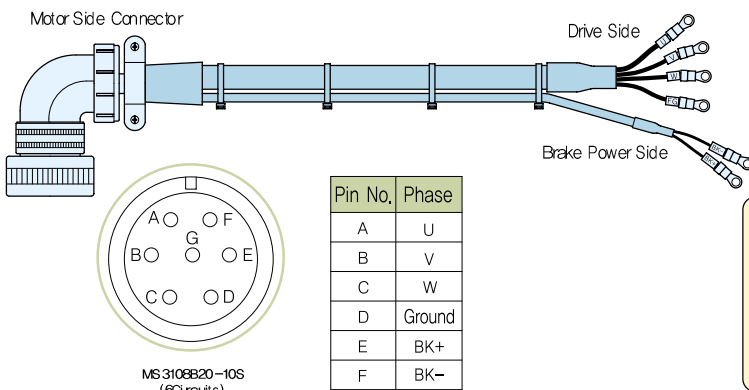
Applicable Motor : APM-SF30A, SF22D, SF35D, SF20G, SF30G, SF12M, SF20M, SF30M



1. Motor Side Connector (MS: Military Standard)
PLUG : MS3108B(MS3106B)24-10S
2. Drive Side (U,V,W,FG)
Connection terminals : 3.5x5(KET GP110028)
Cable : 4Cx3.5SQ(AWG12)
3. Brake Power Side (+,-)
Connection terminals : 1.25x3(KET GP110012)
Cable : 2Cx0.75SQ(AWG18)

Model (★Note1) : APC-P□□□PB

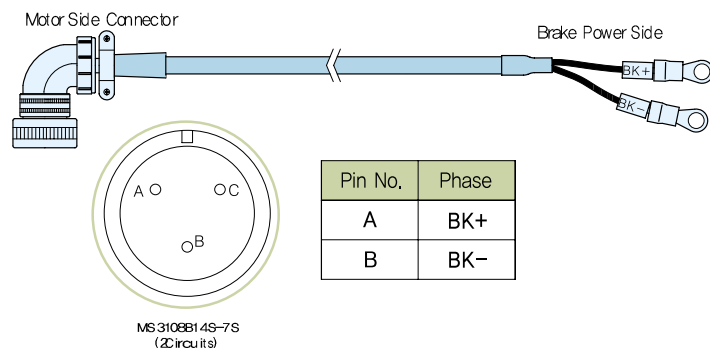
Applicable Motor : APM-SF50A, SF55D, SF75D, SF44G, SF60G, SF75G, SF44M



1. Motor Side Connector (MS: Military Standard)
PLUG : MS3108B(MS3106B)24-10S
2. Drive Side (U,V,W,FG)
Connection terminals : 3.5x5(KET GP110028)
Cable : 4Cx5.5SQ(AWG10)
3. Brake power Side (+,-)
Connection terminals : 1.25x3(KET GP110012)
Cable : 2Cx0.75SQ(AWG18)

Model (★Note1) : APC-P□□□SB

Applicable Motor : All models of APM-SG Series



1. Motor Side Connector
PLUG : MS3108B(MS3106B)14S-7S
2. Brake Power Side (+,-)
Connection terminals : 1.25x3(KET GP110012)
3. Cable
2Cx0.75SQ(AWG18)

Note1) □□□ of model indicates the kind and length of cable, and notation is as below

Standard Cable Length (m)	3	5	10	20
Robotic Cable	F03	F05	F10	F20
General Cable	N03	N05	N10	N20

