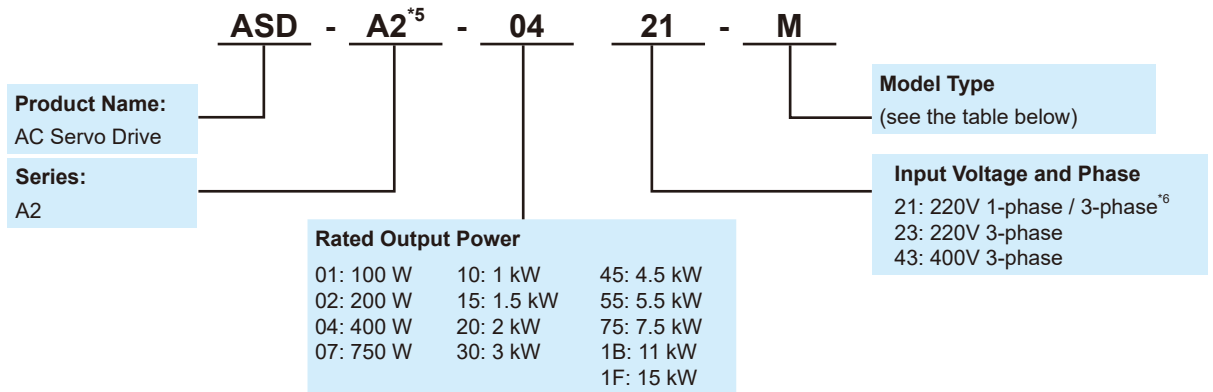


# Model Explanation

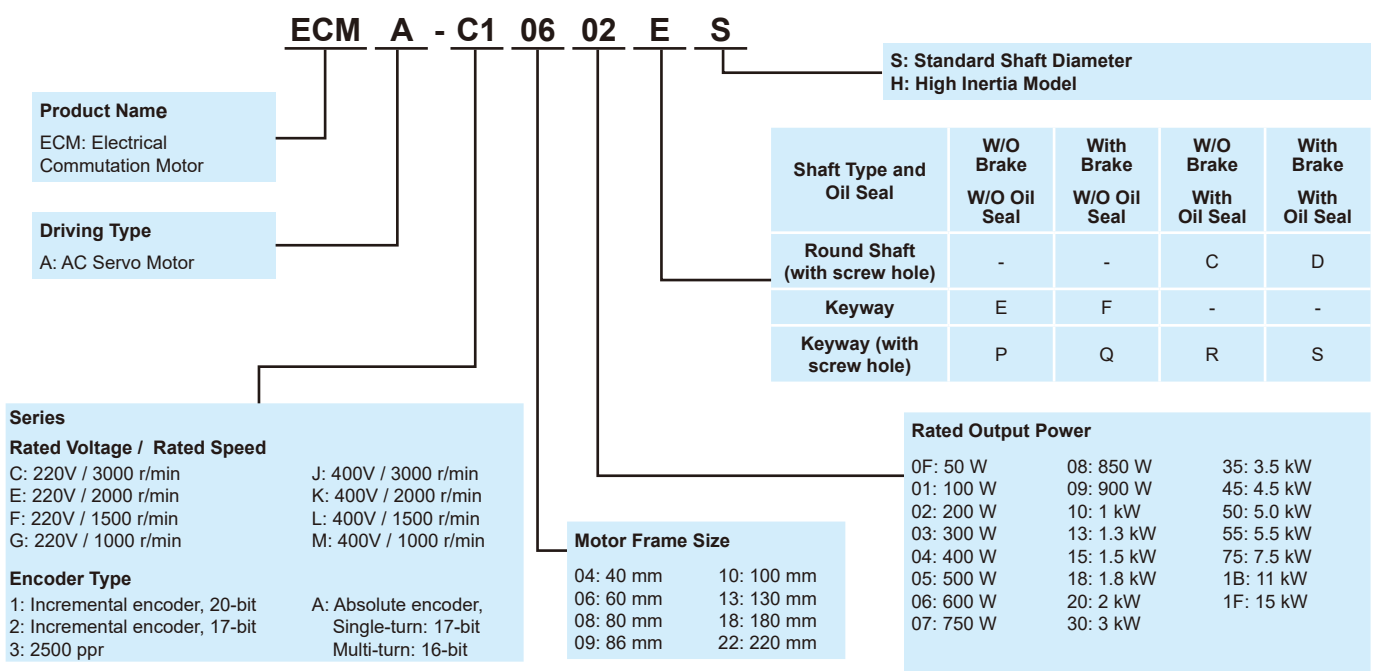
## ASDA-A2 Series Servo Drives



	Type	RS-485 (CN3)	Full-Closed Control (CN5) <sup>*1</sup>	Extension Port for Digital Input (CN7)	EtherCAT <sup>*4</sup>	CANpen	DMCNET	Analog Voltage Control	Pulse Input Port	PR Parameters	E-CAM <sup>*3</sup>
<b>Standard Model</b>	L	○	○	X	X	X	X	○	○	○	X
	U	○	○	○	X	X	X	○	○	○	○
<b>Network Model</b>	E	X	X	○	○	X	X	X	X	○	X
	F	○	○	X	X	X	○	X	X	○ <sup>*2</sup>	X
	M	○	○	X	X	○	X	○	○	○	○


- NOTE**
- In PR mode, only A2-F supports full-closed control function.
  - When applying communication mode (A2-E, -F, -M models), PR parameters can be read and written through DMCNET only.
  - E-CAM function can only be used in PR mode.
  - For information about ASDA A2-E EtherCAT interface servo drive, please refer to the ASDA A2-E brochure.
  - For communication mode -F/-M models with 400V/11kW, 15kW is categorized as ASDA-A2R.
  - Rated power of 100W to 1.5kW are marked number 21 with 220V, single-phase and three-phase connections

## ECMA Series Servo Motors



# Servo Motor Specifications

## Low Inertia Series- 220V Series

ECMA Series	C104	C △ 04	C △ 06		C △ 08		C △ 09		C △ 10		C △ 13
	0F	01	02	04 □ S	04	07	07	10	10	20	30
Rated output power (kW)	0.05	0.1	0.2	0.4	0.4	0.75	0.75	1.0	1.0	2.0	3.0
Rated torque (N-m) <sup>1</sup>	0.159	0.32	0.64	1.27	1.27	2.39	2.39	3.18	3.18	6.37	9.55
Maximum torque (N-m)	0.477	0.96	1.92	3.82	3.82	7.16	7.14	8.78	9.54	19.11	28.65
Rated speed (r/min)	3000						3000		3000		3000
Maximum speed (r/min)	5000						3000		5000		4500
Rated current (A)	0.69	0.90	1.55	2.6	2.6	5.1	3.66	4.25	7.3	12.05	17.2
Maximum current (A)	2.05	2.70	4.65	7.8	7.8	15.3	11	12.37	21.9	36.15	47.5
Power rating (kW/s)	12.27	27.7	22.4	57.6	24.0	50.4	29.6	38.6	38.1	90.6	71.8
Rotor moment of inertia (x10 <sup>-4</sup> kg-m <sup>2</sup> )	0.0206	0.037	0.177	0.277	0.68	1.13	1.93	2.62	2.65	4.45	12.7
Mechanical time constant (ms)	1.2	0.75	0.80	0.53	0.74	0.63	1.72	1.20	0.74	0.61	1.11
Torque constant-KT (N-m/A)	0.23	0.36	0.41	0.49	0.49	0.47	0.65	0.75	0.44	0.53	0.557
Voltage constant-KE (mV/(r/min))	9.8	13.6	16	17.4	18.5	17.2	24.2	27.5	16.8	19.2	20.98
Armature resistance (Ohm)	12.7	9.30	2.79	1.55	0.93	0.42	1.34	0.897	0.20	0.13	0.0976
Armature inductance (mH)	26	24.0	12.07	6.71	7.39	3.53	7.55	5.7	1.81	1.50	1.21
Electrical time constant (ms)	2.05	2.58	4.3	4.3	7.96	8.36	5.66	6.35	9.3	11.4	12.4
Insulation class	Class A (UL), Class B (CE)										
Insulation resistance	100MΩ , DC 500V above										
Insulation strength	1.8k Vac, 1 sec										
Weight (kg)(without brake)	0.42	0.5	1.2	1.6	2.1	3.0	2.9	3.8	4.3	6.2	7.8
Weight (kg)(with brake)	--	0.8	1.5	2.0	2.9	3.8	3.69	5.5	4.7	7.2	9.2
Max. radial shaft load (N)	78.4	78.4	196	196	245	245	245	245	490	490	490
Max. thrust shaft load (N)	39.2	39.2	68	68	98	98	98	98	98	98	98
Power rating (kW/s)(with brake)	--	25.6	21.3	53.8	22.1	48.4	29.3	37.9	30.4	82	65.1
Rotor moment of inertia (x10 <sup>-4</sup> kg-m <sup>2</sup> )(with brake)	--	0.04	0.19	0.30	0.73	1.18	1.95	2.67	3.33	4.95	14.0
Mechanical time constant (ms)(with brake)	--	0.81	0.85	0.57	0.78	0.65	1.74	1.22	0.93	0.66	1.22
Brake holding torque [Nt-m (min)] <sup>2</sup>	--	0.3	1.3	1.3	2.5	2.5	2.5	2.5	8	8	10.0
Brake power consumption (at 20°C)[W]	--	7.3	6.5	6.5	8.2	8.2	8.2	8.2	18.7	18.7	19.0
Brake release time [ms (Max)]	--	5	10	10	10	10	10	10	10	10	10
Brake pull-in time [ms (Max)]	--	25	70	70	70	70	70	70	70	70	70
Vibration grade (μm)	15										
Operating temperature (°C)	0°C to 40°C										
Storage temperature (°C)	-10°C to 80°C										
Operating humidity	20 to 90%RH (non-condensing)										
Storage humidity	20 to 90%RH (non-condensing)										
Vibration capacity	2.5G										
IP Rating	IP65 (when waterproof connectors are used, or when an oil seal is used to be fitted to the rotating shaft (an oil seal model is used))										
Approvals											

\*1. Rate torque values are continuous permissible values at 0 ~ 40°C ambient temperature when attaching with the sizes of heatsinks listed below:

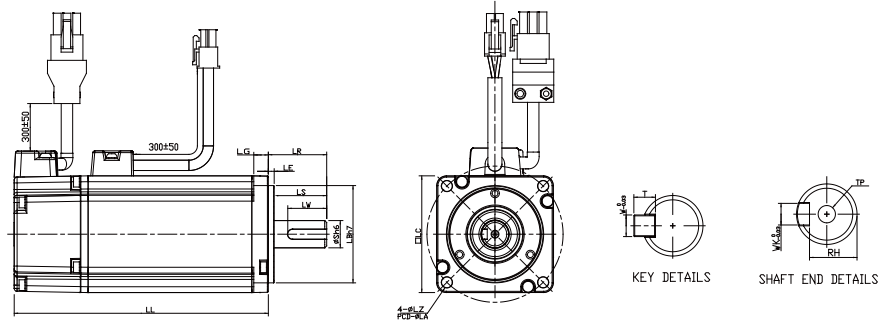
ECMA-\_\_ 04 / 06 / 08: 250 mm x 250 mm x 6 mm  
 ECMA-\_\_ 10: 300 mm x 300 mm x 12 mm  
 ECMA-\_\_ 13: 400 mm x 400 mm x 20 mm  
 ECMA-\_\_ 18: 550 mm x 550 mm x 30 mm  
 ECMA-\_\_ 22: 650 mm x 650 mm x 35 mm  
 Material type : Aluminum – F40, F60, F80, F100, F130, F180, F220

\*2. The holding brake is used to hold the motor shaft, not for braking the rotation. Never use it for decelerating or stopping the machine.

# Servo Motor Dimensions

## 220V Series

### Frame Size 86mm and below

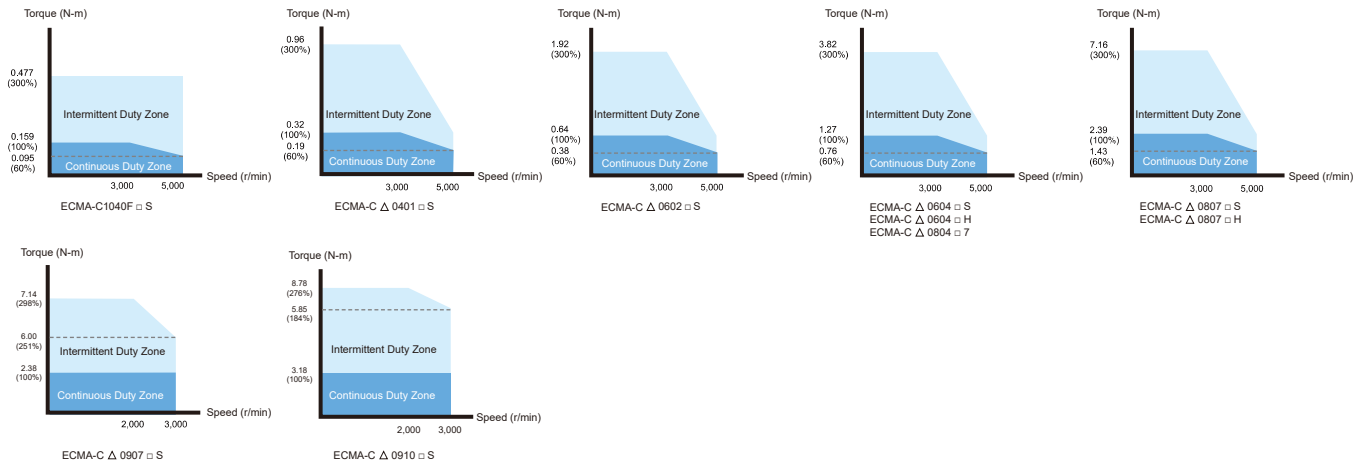


Units: mm

Model	C1040F □ S	C △ 0401 □ S	C △ 0602 □ S	C △ 0604 □ S	C △ 0604 □ H	C △ 0804 □ 7	C △ 0807 □ S	C △ 0807 □ H	C △ 0907 □ S	C △ 0910 □ S
LC	40	40	60	60	60	80	80	80	86	86
LZ	4.5	4.5	5.5	5.5	5.5	6.6	6.6	6.6	6.6	6.6
LA	46	46	70	70	70	90	90	90	100	100
S	8 (+0 -0.009)	8 (+0 -0.009)	14 (+0 -0.011)	14 (+0 -0.011)	14 (+0 -0.011)	14 (+0 -0.011)	19 (+0 -0.013)	19 (+0 -0.013)	16 (+0 -0.011)	16 (+0 -0.011)
LB	30 (+0 -0.021)	30 (+0 -0.021)	50 (+0 -0.025)	50 (+0 -0.025)	50 (+0 -0.025)	70 (+0 -0.030)	70 (+0 -0.030)	70 (+0 -0.030)	80 (+0 -0.030)	80 (+0 -0.030)
LL ( without brake )	79.1	100.6	105.5	130.7	145.8	112.3	138.3	154.8	130.2	153.2
LL ( with brake )	--	136.8	141.6	166.8	176.37	152.8	178	187.8	161.3	184.3
LS	20	20	27	27	27	27	32	32	30	30
LR	25	25	30	30	30	30	35	35	35	35
LE	2.5	2.5	3	3	3	3	3	3	3	3
LG	5	5	7.5	7.5	7.5	8	8	8	8	8
LW	16	16	20	20	20	20	25	25	20	20
RH	6.2	6.2	11	11	11	11	15.5	15.5	13	13
WK	3	3	5	5	5	5	6	6	5	5
W	3	3	5	5	5	5	6	6	5	5
T	3	3	5	5	5	5	6	6	5	5
TP	M3 Depth 8	M3 Depth 8	M4 Depth 15	M4 Depth 15	M4 Depth 15	M4 Depth 15	M6 Depth 20	M6 Depth 20	M5 Depth 15	M5 Depth 15

- NOTE**
- 1) Dimensions are in millimeters.
  - 2) Dimensions of the servo motors may be revised without prior notice.
  - 3) The boxes ( □ ) in the model names are for optional configurations(keyway, brake and oil seal).
  - 4) The boxes ( △ ) in the model names are for encoder resolution types. ( △ =1: Incremental encoder, 20-bit; △ =2: Incremental encoder, 17-bit; △ =A: Absolute type)

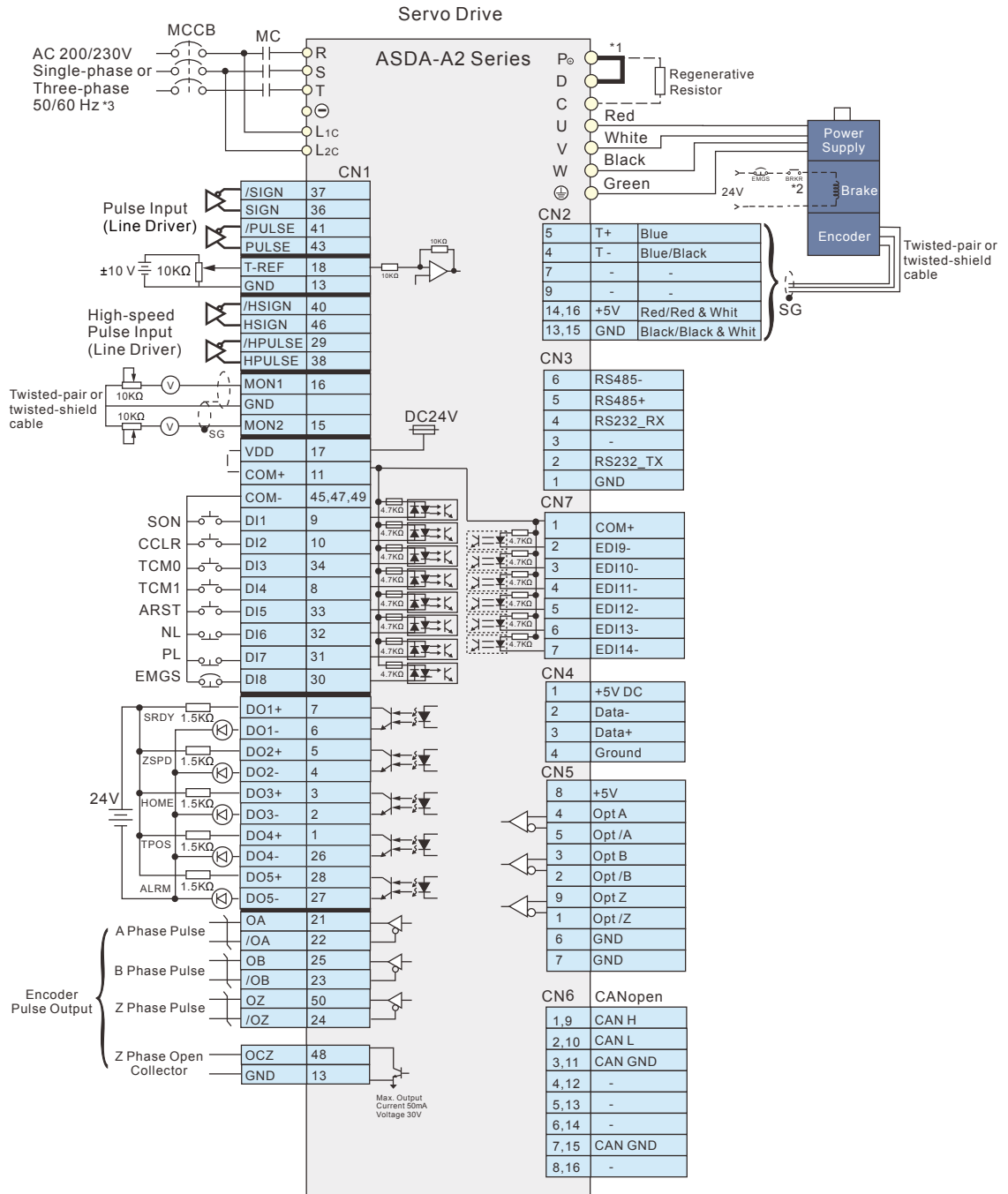
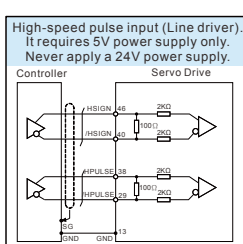
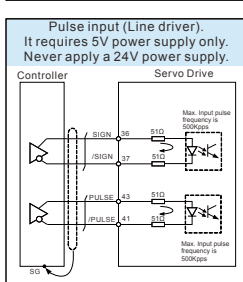
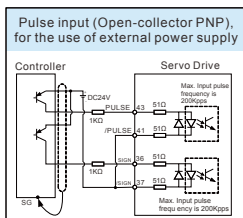
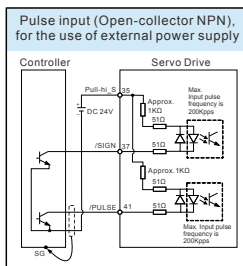
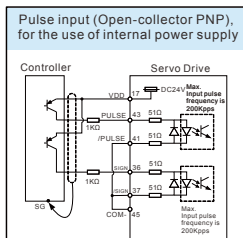
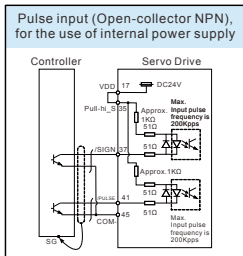
## Speed-Torque Curves (T-N Curves)



# Wiring

## 200V Series

### Position (PT) Control Mode (for Pulse Command Input)

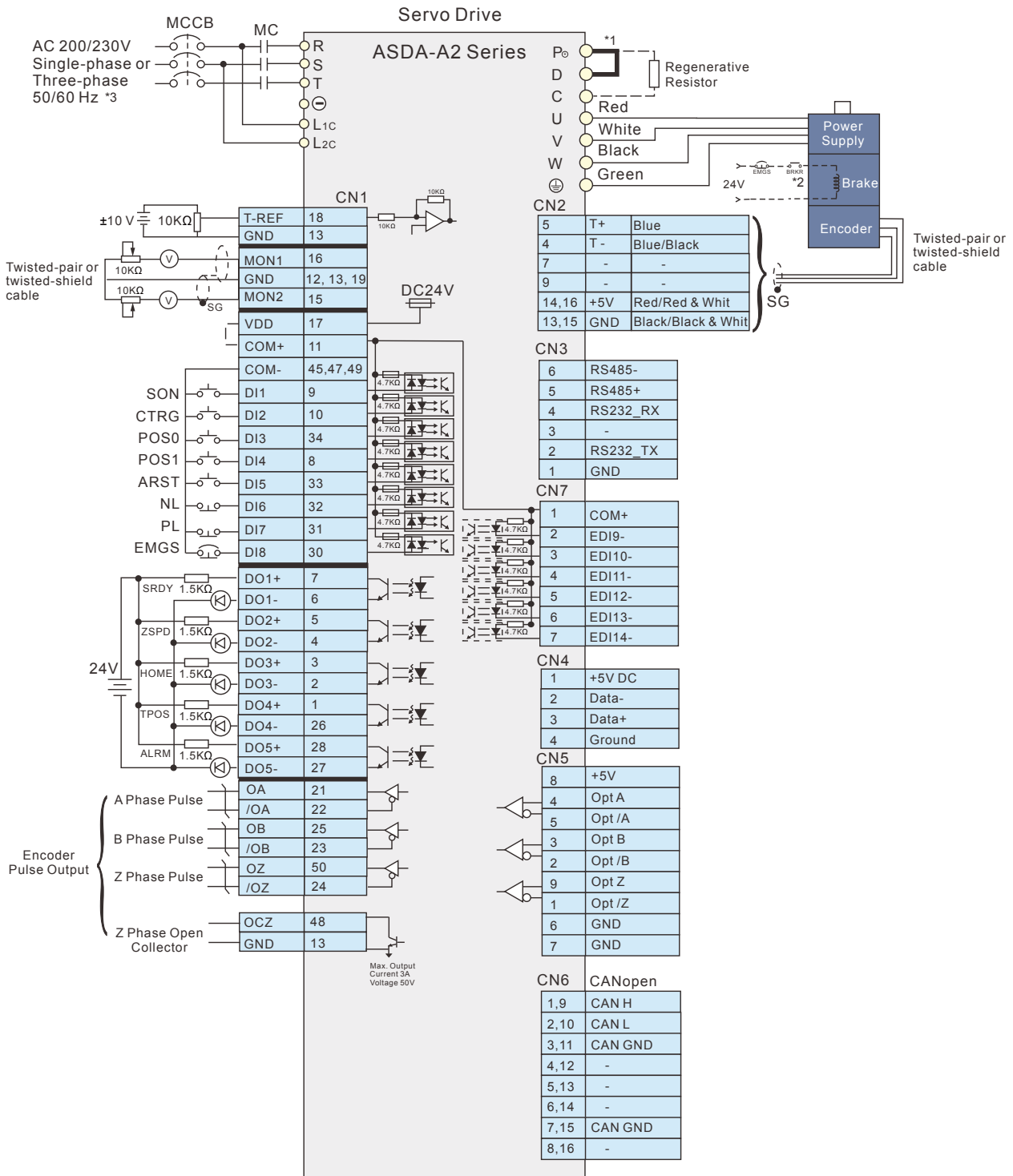


**Please note:**

- \*1. 400W ~ 4.5kW servo drives provide a built-in regenerative resistor.
- \*2. The brake oil has no polarity.
- \*3. Single-phase connections are for servo drives 1.5kW and below only.

# 200V Series

## Position (PR) Control Mode (for Internal Procedure Control)



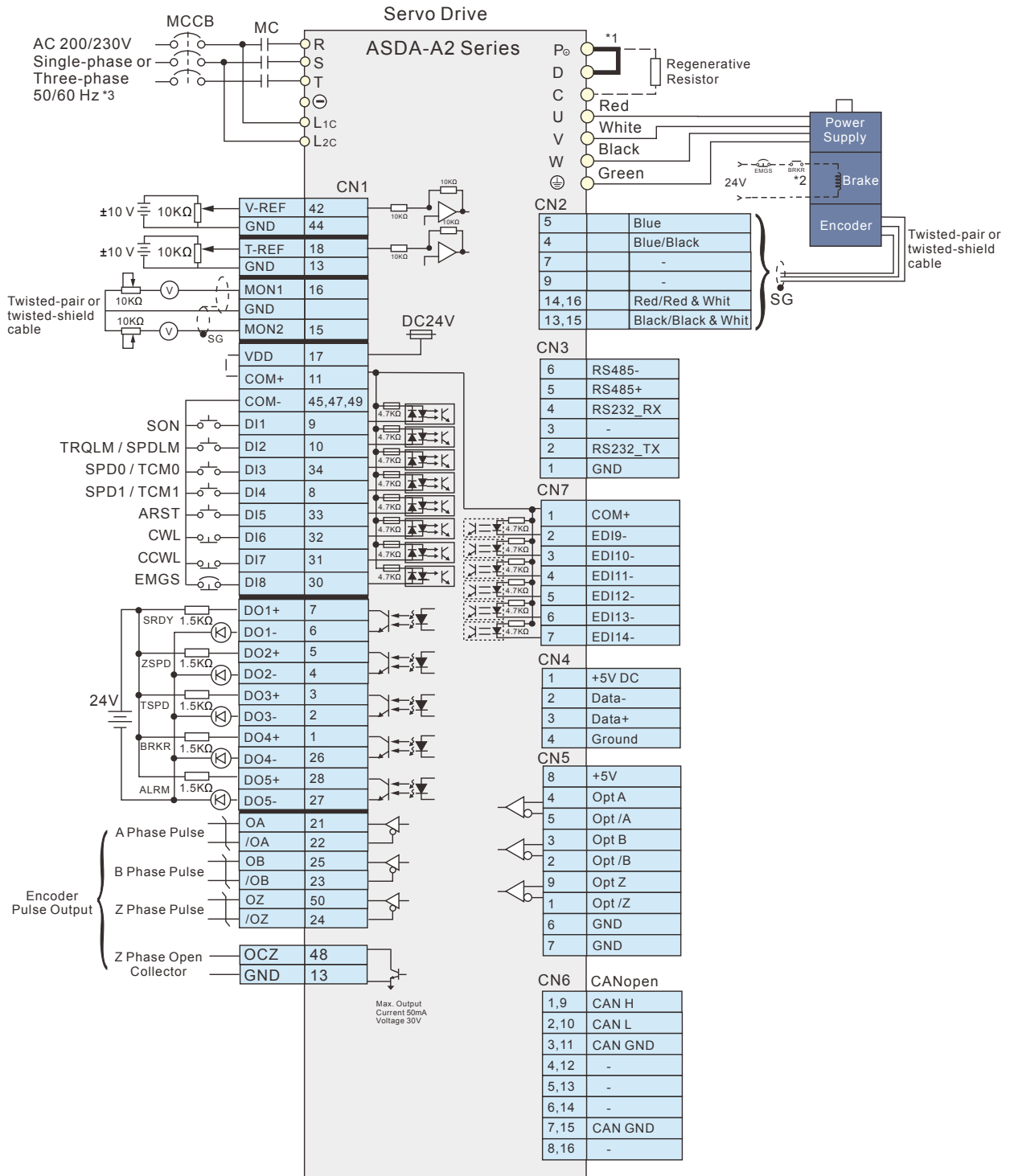
**Please note:**

- \*1. 400W ~ 4.5kW servo drives provide a built-in regenerative resistor.
- \*2. The brake oil has no polarity.
- \*3. Single-phase connections are for servo drives 1.5kW and below only.

# Wiring

## 200V Series

### Speed (S), Torque (T) Control Mode (for Analog Voltage Input and Internal Parameter Setting)

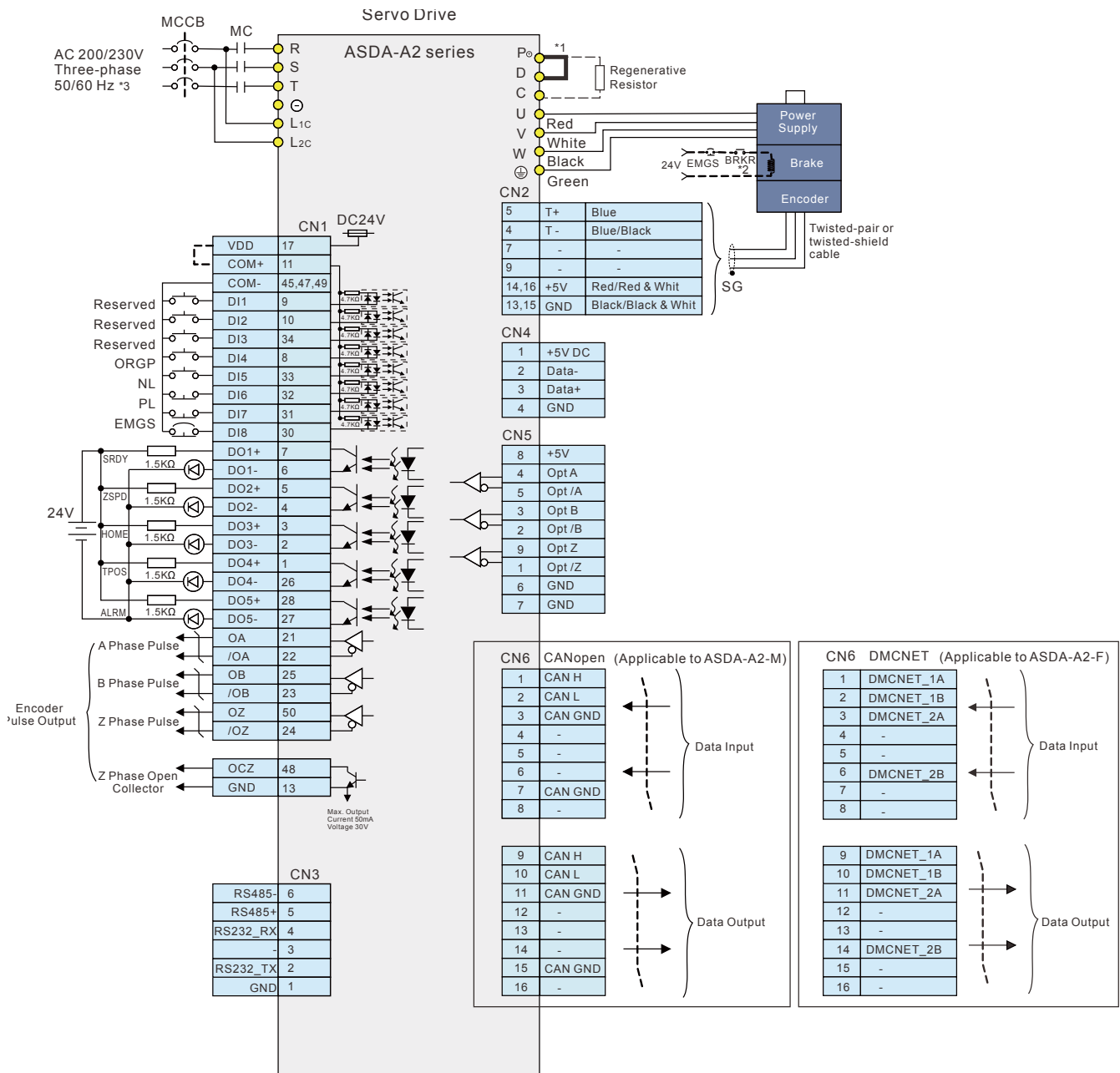


**Please note:**

- \*1. 400W ~ 4.5kW servo drives provide a built-in regenerative resistor.
- \*2. The brake oil has no polarity.
- \*3. Single-phase connections are for servo drives 1.5kW and below only.

# 200V Series

## CANopen Communication Mode






**Please note:**

- \*1. 400W ~ 4.5kW servo drives provide a built-in regenerative resistor.
- \*2. The brake oil has no polarity.
- \*3. Single-phase connections are for servo drives 1.5kW and below only.

# Servo Drive Specifications

## 220V Series

ASDA-A2 Series		100 W	200 W	400 W	750 W	1 kW	1.5 kW	2 kW	3 kW	4.5 kW	5.5 kW	7.5 kW	11 kW	15kW		
		01	02	04	07	10	15	20	30	45	55	75	1B	1F		
Power supply	Phase / Voltage	Three-phase / Single-phase 220V <sub>AC</sub>						3-phase 220V <sub>AC</sub>								
	Permissible Voltage Range	1-phase / 3-phase 200 ~ 230V <sub>AC</sub> , -15% ~ 10%						3-phase 200 ~ 230V <sub>AC</sub> , -15% ~ 10%								
	Input Current(3PH) (Units: Arms)	0.8	1.11	1.86	3.66	4.68	6.33	8.76	9.83	17.5	19.4	26.3	48	63		
	Input Current(1PH) (Units: Arms)	1	1.92	3.22	6.78	8.88	10.96	-	-	-	-	-	-	-		
Continuous Output Current (Units: Arms)		0.9	1.55	2.6	5.1	7.3	8.86	13.4	19.4	32.5	40	47.5	54.4	70		
Cooling System		Natural Air Circulation						Fan Cooling								
Encoder Resolution / Feedback Resolution		Incremental encoder: 20-bit ; Absolute encoder: 17-bit														
Control of Main Circuit		SVPWM(Space Vector Pulse Width Modulation) Control														
Tuning Modes		Auto / Manual														
Regenerative Resistor		None			Built-in						External					
Position Control Mode	Max. Input Pulse Frequency (Only for Non-DMCNET mode)	Max. 500Kpps / 4Mpps (Line driver), Max. 200Kpps (Open collector)														
	Pulse Type (Only for Non-DMCNET mode)	Pulse + Direction, A phase + B phase, CCW pulse + CW pulse														
	Command Source	External pulse train (PT mode) (Only for Non-DMCNET mode) / Internal parameters (PR mode)														
	Smoothing Strategy	Low-pass and P-curve filter														
	Electronic Gear	Electronic gear N/M multiple N: 1~32767, M: 1:32767 (1/50<N/M<25600)														
	Torque Limit Operation	Set by parameters														
	Feed Forward Compensation	Set by parameters														
Speed Control Mode	Analog Input Command (Only for Non-DMCNET mode)	Voltage Range		0 ~ ±10 V <sub>DC</sub>												
		Input Resistance		10KΩ												
		Time Constant		354.6 μs												
	Speed Control Range <sup>1</sup>	1: 5000						1: 3000				1: 2000				
	Command Source	External analog signal (Only for Non-DMCNET mode) / Internal parameters														
	Smoothing Strategy	Low-pass and S-curve filter														
	Torque Limit Operation	Set by parameters or via analog input (Only for Non-DMCNET mode)														
Frequency Response Characteristic	Maximum 1kHz															
Speed Accuracy <sup>2</sup> (At rated rotation speed)	0.01% or less at 0 to 100% load fluctuation															
	0.01% or less at ±10% power fluctuation															
	0.01% or less at 0°C to 50°C ambient temperature fluctuation															
Torque Control Mode	Analog Input Command (Only for Non-DMCNET mode)	Voltage Range		0 ~ ±10 V <sub>DC</sub>												
		Input Resistance		10KΩ												
		Time Constant		2.2 μs												
	Command Source	External analog signal (Only for Non-DMCNET mode) / Internal parameters														
	Smoothing Strategy	Low-pass filter														
Speed Limit Operation	Set by parameters or via analog input (Only for Non-DMCNET mode)															
Analog Monitor Output		Monitor signal can set by parameters (Output voltage range: ±8V)														
Digital Inputs / Outputs	Inputs	Servo on, Reset, Gain switching, Pulse clear, Zero speed CLAMP, Command input reverse control, Command triggered, Speed/ Torque limit enabled, Position command selection, Motor stop, Speed position selection, Position / Speed mode switching, Speed / Torque mode switching, Torque / Position mode switching, PT / PR command switching, Emergency stop, Forward / Reverse inhibit limit, Reference "Home" sensor, Forward / Reverse operation torque limit, Move to "Home", Electronic Cam (E-CAM), Forward / Reverse JOG input, Event trigger PR command, Electronic gear ratio (Numerator) selection and Pulse inhibit input														
	Outputs	Encoder signal output (A, B, Z Line Driver and Z Open Collector) Servo ready, Servo on, At Zero speed, At Speed reached, At Positioning completed, At Torques limit, Servo alarm (Servo fault) activated, Electromagnetic brake control, Homing completed, Output overload warning, Servo warning activated, Position command overflow, Forward / Reverse software limit, Internal position command completed, Capture operation completed output., Motion control completed output., Master position of E-CAM (Electronic CAM)														
Protective Functions		Overcurrent, Overvoltage, Undervoltage, Motor overheated, Regeneration error, Overload, Overspeed, Abnormal pulse control command, Excessive deviation, Encoder error, Adjustment error, Emergency stop activated, Reverse/ Forward limit switch error, Position excessive deviation of full-close control loop, Serial communication error, Input power phase loss, Serial communication time out, short circuit protection of U, V, W, and CN1, CN2, CN3 terminals														
Communication Interface		RS-232 / RS-485 / CANopen / USB / DMCNET														
Environment	Installation Site	Indoor location (free from direct sunlight), no corrosive liquid and gas (far away from oil mist, flammable gas, dust)														
	Altitude	Altitude 2000m or lower above sea level														
	Atmospheric Pressure	86kPa ~ 106kPa														
	Operating Temperature	0°C ~ 55°C (If operating temperature is above 45°C, forced cooling will be required)														
	Storage Temperature	-20°C ~ 65°C														
	Humidity	0 ~ 90% RH (non-condensing)														
	Vibration	9.80665 m/s <sup>2</sup> (1G) less than 20Hz, 5.88 m/s <sup>2</sup> (0.6G) 20 to 50Hz														
	IP Rating	IP20														
Power System	TN System <sup>3</sup>															
Approvals		IEC/EN 61800-5-1, UL 508C, C-tick												  		

**Footnote:**

- <sup>1</sup>1. Rated rotation speed: When full load, speed ratio is defined as the minimum speed (the motor will not pause).
- <sup>2</sup>2. When command is rated rotation speed, the speed fluctuation rate is defined as: (Empty load rotation speed / Full load rotation speed) / Rated rotation speed
- <sup>3</sup>3. TN system: A power distribution system having one point directly earthed, the exposed conductive parts of the installation being connected to that points by protective earth conductor.

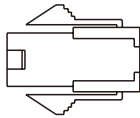




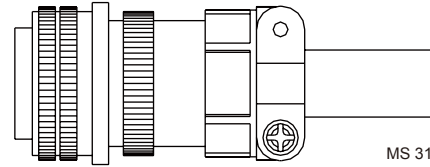
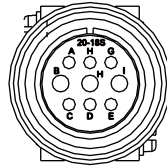
# Optional Cables and Connectors

## ● Power Connectors

ASDBCAPW0000 (for 200V drives)

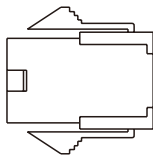


ASD-CAPW1000

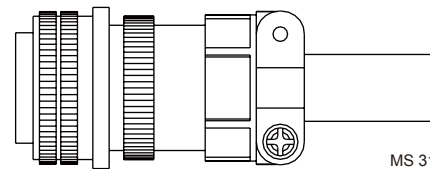
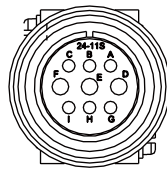


MS 3106A-20-18S

ASDBCAPW0100 (for 200V drives, with brake cable)

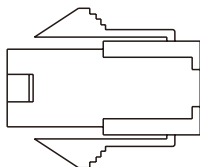


ASD-CAPW2000

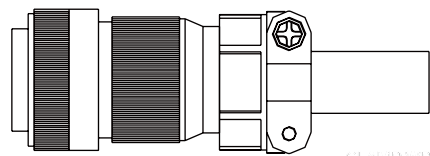
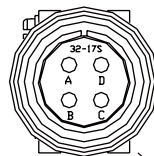


MS 3106A-24-11S

ASD-CAPW5400 (for 400V drives)



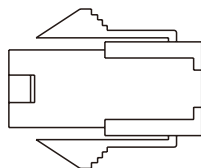
ASD-CAPW4000



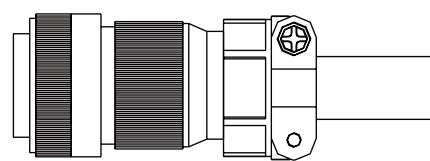
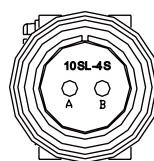
Straight Plug WPS3106A-32-17S

CLAMP: WPS3057-20A

ASD-CAPW5100 (for 400V drives, with brake cable)



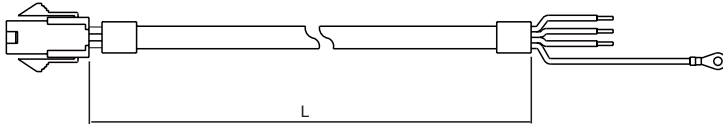
ASD-CNBR1000



CLAMP: WPS3106A 10SL-4S-R

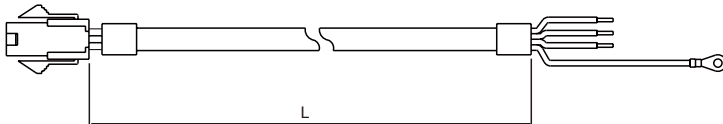
## ● Power Cables

ASD-ABPW0003, ASD-ABPW0005 (for 200V drives)



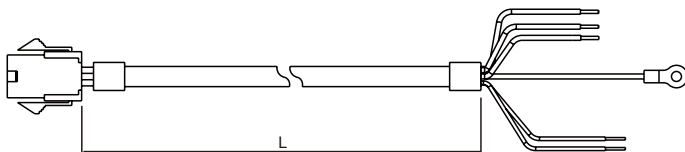
Item	Part No.	L	
		mm	inch
1	ASD-ABPW0003	3000 ± 100	118 ± 4
2	ASD-ABPW0005	5000 ± 100	197 ± 4

ASD-CAPW5403, ASD-CAPW5405 (for 400V drives)



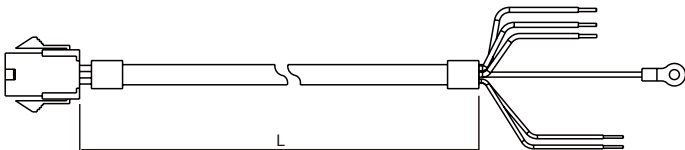
Item	Part No.	L	
		mm	inch
1	ASD-CAPW5403	3000 ± 100	118 ± 4
2	ASD-CAPW5405	5000 ± 100	197 ± 4

AASD-ABPW0103, ASD-ABPW0105 (for 200V drives, with brake cable)



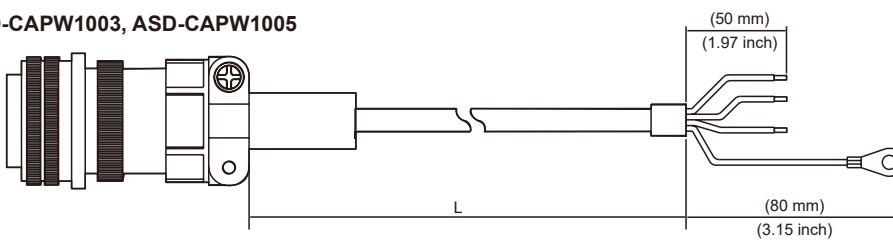
Item	Part No.	L	
		mm	inch
1	ASD-ABPW0103	3000 ± 100	118 ± 4
2	ASD-ABPW0105	5000 ± 100	197 ± 4

ASD-CAPW5103, ASD-CAPW5105 (for 400V drives, with brake cable)



Item	Part No.	L	
		mm	inch
1	ASD-CAPW5103	3000 ± 100	118 ± 4
2	ASD-CAPW5105	5000 ± 100	197 ± 4

ASD-CAPW1003, ASD-CAPW1005

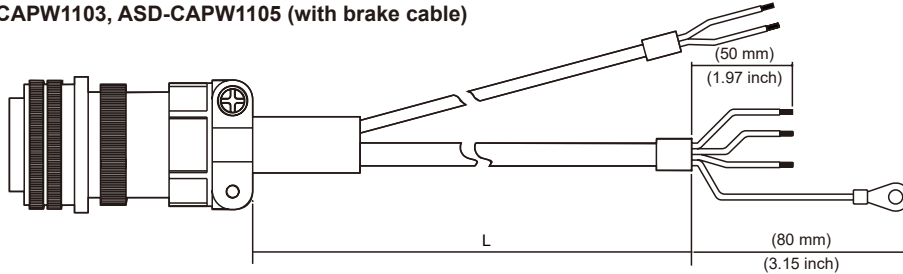


Item	Part No.	Straight	L	
			mm	inch
1	ASD-CAPW1003	3106A-20-18S	3000 ± 100	118 ± 4
2	ASD-CAPW1005	3106A-20-18S	5000 ± 100	197 ± 4

# Optional Cables and Connectors

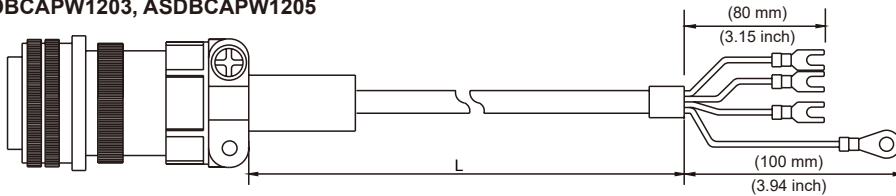
## ● Power Cables

ASD-CAPW1103, ASD-CAPW1105 (with brake cable)



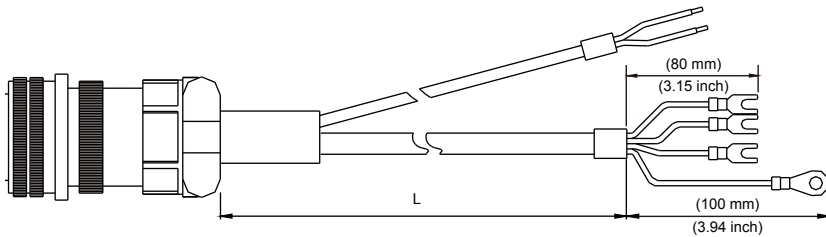
Item	Part No.	Straight	L	
			mm	inch
1	ASD-CAPW1103	3106A-20-18S	3000 ± 100	118 ± 4
2	ASD-CAPW1105	3106A-20-18S	5000 ± 100	197 ± 4

ASDBCAPW1203, ASDBCAPW1205



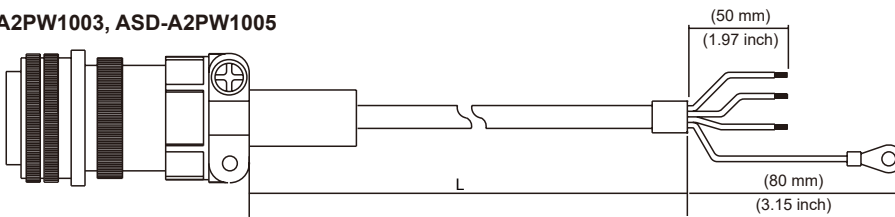
Item	Part No.	Straight	L	
			mm	inch
1	ASD-BCAPW1203	3106A-20-18S	3000 ± 100	118 ± 4
2	ASDB-CAPW1205	3106A-20-18S	5000 ± 100	197 ± 4

ASD-CAPW1303, ASD-CAPW1305 (with brake cable)



Item	Part No.	Straight	L	
			mm	inch
1	ASD-CAPW1303	3106A-20-18S	3000 ± 100	118 ± 4
2	ASD-CAPW1305	3106A-20-18S	5000 ± 100	197 ± 4

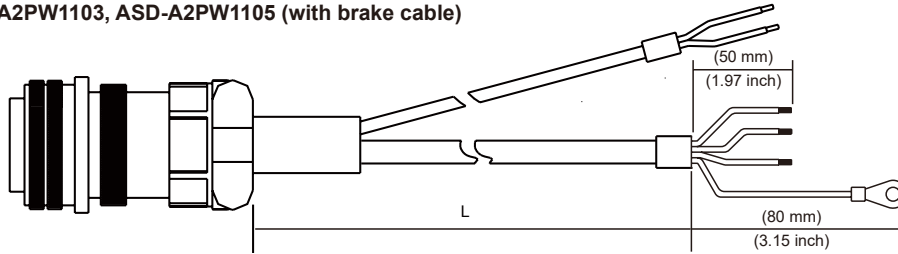
ASD-A2PW1003, ASD-A2PW1005



Item	Part No.	Straight	L	
			mm	inch
1	ASD-A2PW1003	3106A-20-18S	3000 ± 100	118 ± 4
2	ASD-A2PW1005	3106A-20-18S	5000 ± 100	197 ± 4

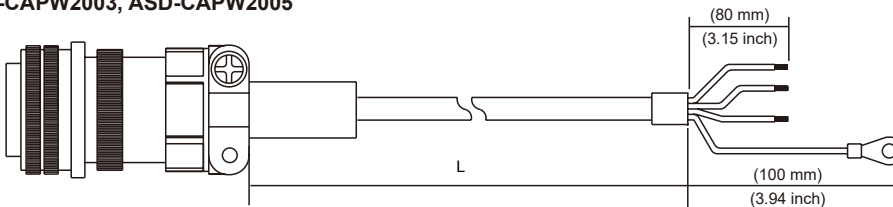
## ● Power Cables

ASD-A2PW1103, ASD-A2PW1105 (with brake cable)



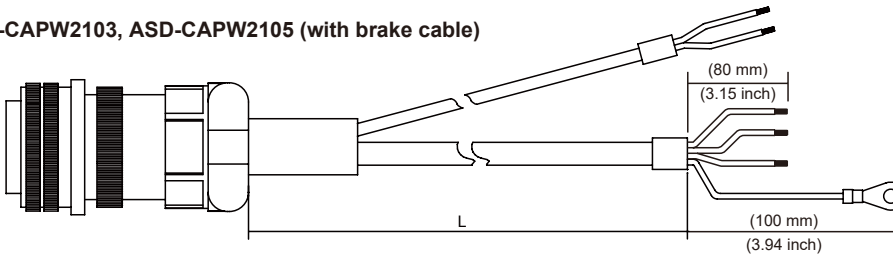
Item	Part No.	Straight	L	
			mm	inch
1	ASD-A2PW1103	3106A-20-18S	3000 ± 100	118 ± 4
2	ASD-A2PW1105	3106A-20-18S	5000 ± 100	197 ± 4

ASD-CAPW2003, ASD-CAPW2005



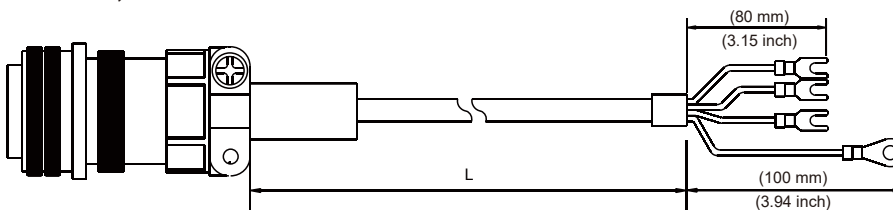
Item	Part No.	Straight	L	
			mm	inch
1	ASD-CAPW2003	3106A-24-11S	3000 ± 100	118 ± 4
2	ASD-CAPW2005	3106A-24-11S	5000 ± 100	197 ± 4

ASD-CAPW2103, ASD-CAPW2105 (with brake cable)



Item	Part No.	Straight	L	
			mm	inch
1	ASD-CAPW2103	3106A-24-11S	3000 ± 100	118 ± 4
2	ASD-CAPW2105	3106A-24-11S	5000 ± 100	197 ± 4

ASD-CAPW2203, ASD-CAPW2205

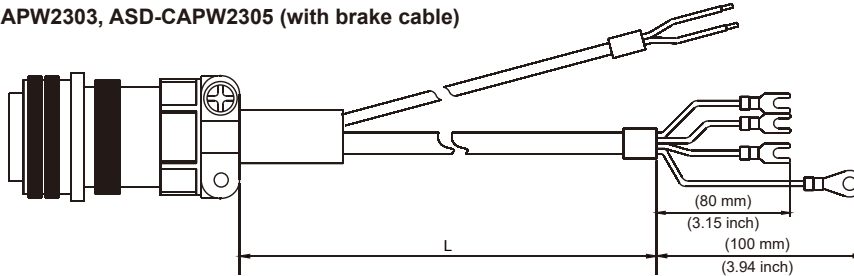


Item	Part No.	Straight	L	
			mm	inch
1	ASD-CAPW2203	3106A-24-11S	3000 ± 100	118 ± 4
2	ASD-CAPW2205	3106A-24-11S	5000 ± 100	197 ± 4

# Optional Cables and Connectors

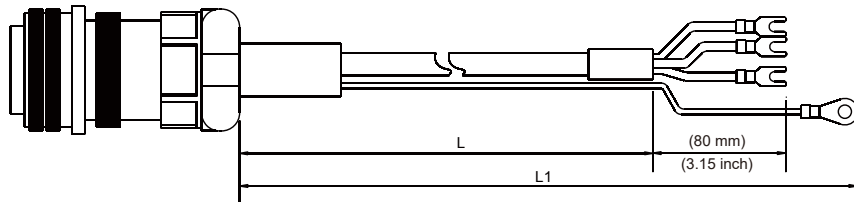
## ● Power Cables

ASD-CAPW2303, ASD-CAPW2305 (with brake cable)



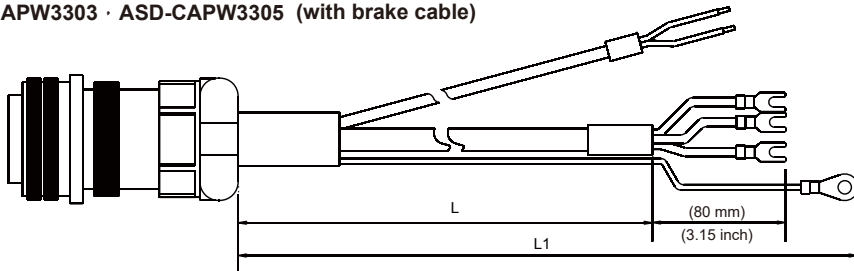
Item	Part No.	Straight	L	
			mm	inch
1	ASD-CAPW2303	3106A-24-11S	3000 ± 100	118 ± 4
2	ASD-CAPW2305	3106A-24-11S	5000 ± 100	197 ± 4

ASD-CAPW3203 · ASD-CAPW3205



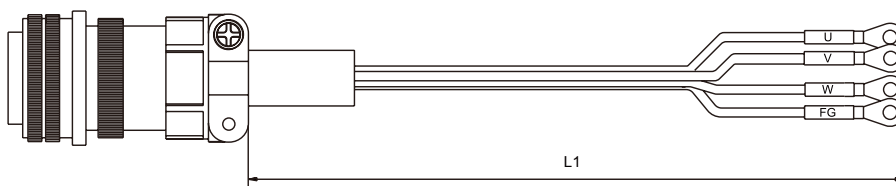
Item	Part No.	Straight	L		L1	
			mm	inch	mm	inch
1	ASD-CAPW3203	3106A-24-11S	3000 ± 100	118 ± 4	3100 ± 100	122 ± 4
2	ASD-CAPW3205	3106A-24-11S	5000 ± 100	197 ± 4	5100 ± 100	201 ± 4

ASD-CAPW3303 · ASD-CAPW3305 (with brake cable)



Item	Part No.	Straight	L		L1	
			mm	inch	mm	inch
1	ASD-CAPW3303	3106A-24-11S	3000 ± 100	118 ± 4	3100 ± 100	122 ± 4
2	ASD-CAPW3305	3106A-24-11S	5000 ± 100	197 ± 4	5100 ± 100	201 ± 4

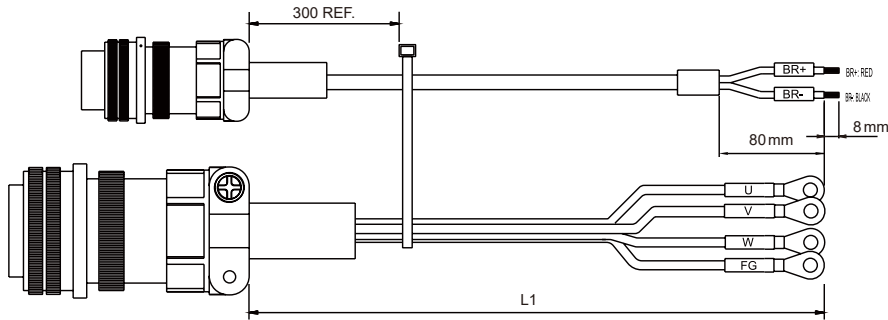
ASD-CAPW4503, ASD-CAPW4505



Item	Part No.	Straight	L1	
			mm	inch
1	ASD-CAPW4503	3106A-32-17S	3100 ± 100	122 ± 4
2	ASD-CAPW4505	3106A-32-17S	5100 ± 100	201 ± 4

## ● Power Cables

### ASD-CAPW4703, ASD-CAPW4705 (with brake cable)



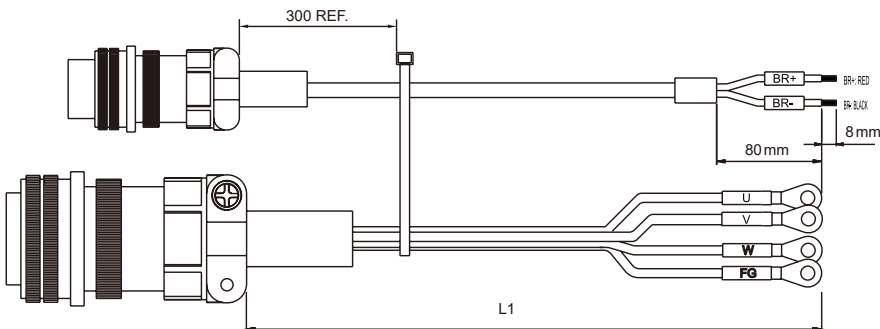
Item	Part No.	Straight	L	
			mm	inch
1	ASD-CAPW4703	3106A-32-17S	3100 ± 100	122 ± 4
		3106A-10SL-4S	3100 ± 100	122 ± 4
2	ASD-CAPW4705	3106A-32-17S	5100 ± 100	201 ± 4
		3106A-10SL-4S	5100 ± 100	201 ± 4

### ASD-CAPW4603, ASD-CAPW4605



Item	Part No.	Straight	L	
			mm	inch
1	ASD-CAPW4603	3106A-32-17S	3100 ± 100	122 ± 4
2	ASD-CAPW4605	3106A-32-17S	5100 ± 100	201 ± 4

### ASD-CAPW4803, ASD-CAPW4805 (with brake cable)

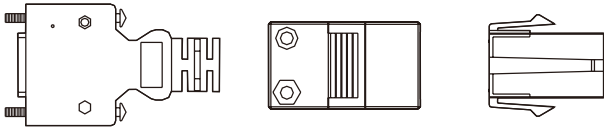


Item	Part No.	Straight	L	
			mm	inch
1	ASD-CAPW4803	3106A-32-17S	3100 ± 100	122 ± 4
		3106A-10SL-4S	3100 ± 100	122 ± 4
2	ASD-CAPW4805	3106A-32-17S	5100 ± 100	201 ± 4
		3106A-10SL-4S	5100 ± 100	201 ± 4

# Optional Cables and Connectors

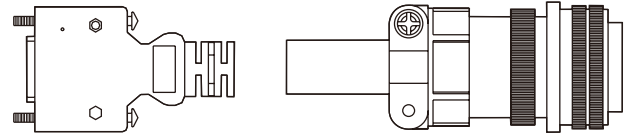
## Encoder Connectors

ASD-ABEN0000



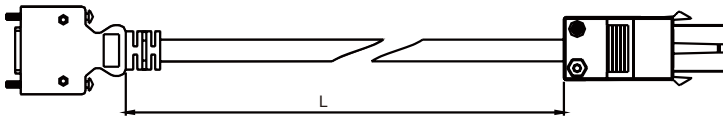
## Encoder Connectors

ASD-CAEN1000



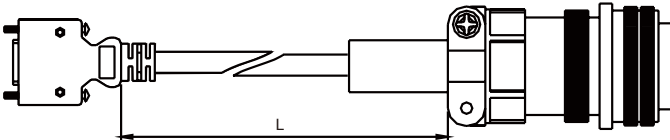
## Incremental Encoder Cables

ASD-ABEN0003 · ASD-ABEN0005



Item	Part No.	L	
		mm	inch
1	ASD-ABEN0003	3000 ± 100	118 ± 4
2	ASD-ABEN0005	5000 ± 100	197 ± 4

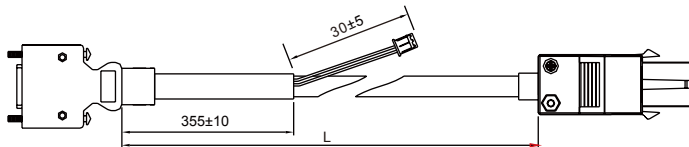
ASD-CAEN1003 · ASD-CAEN1005



Item	Part No.	Straight	L	
			mm	inch
1	ASD-CAEN1003	3106A-20-29S	3000 ± 100	118 ± 4
2	ASD-CAEN1005	3106A-20-29S	5000 ± 100	197 ± 4

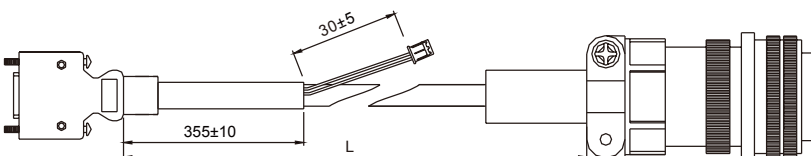
## Absolute Encoder Cables

ASD-A2EB0003 · ASD-A2EB0005



Item	Part No.	L	
		mm	inch
1	ASD-A2EB0003	3000 ± 100	118 ± 4
2	ASD-A2EB0005	5000 ± 100	197 ± 4

ASD-A2EB1003 · ASD-A2EB1005

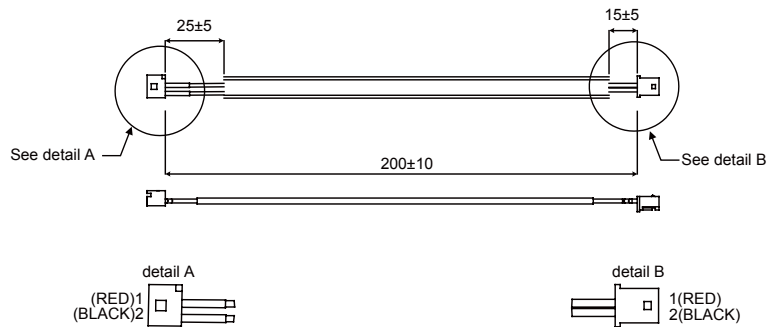


Item	Part No.	L	
		mm	inch
1	ASD-A2EB1003	3000 ± 100	118 ± 4
2	ASD-A2EB1005	5000 ± 100	197 ± 4



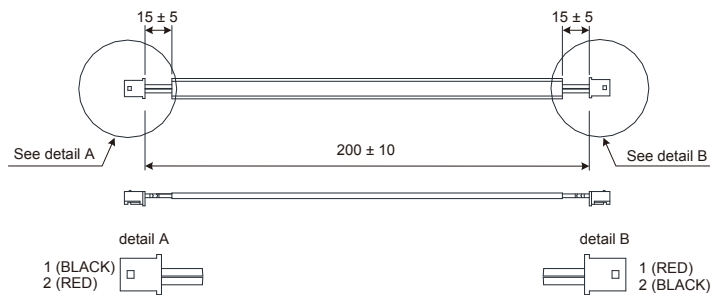
● **Battery Box Cord AW (Connects to the battery side of the encoder cable)** Units: mm

3864573700



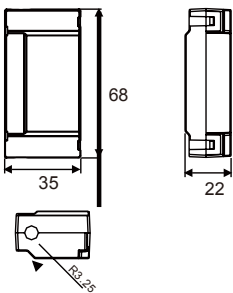
● **Battery Box Cord IW (Connects to CN8)** Units: mm

3864811900

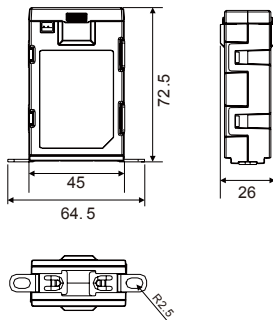


● **Battery Boxes with batteries** Units: mm

Single Battery Box  
ASD-MDBT0100

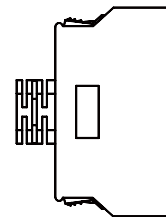


Dual Battery Box  
ASD-MDBT0200



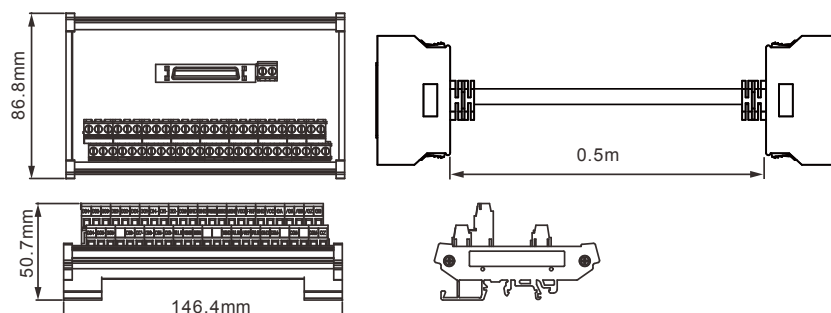
● **I/O Signal Connector (CN1)**

ASD-CN5C0050



● **Terminal Block Module**

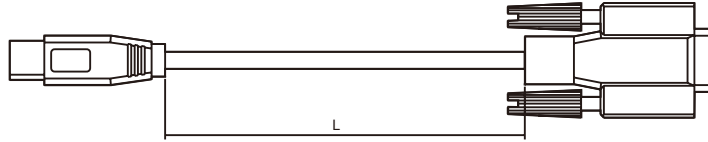
ASD-BM-50A



# Optional Cables and Connectors

## ● RS-232 Communication Cable

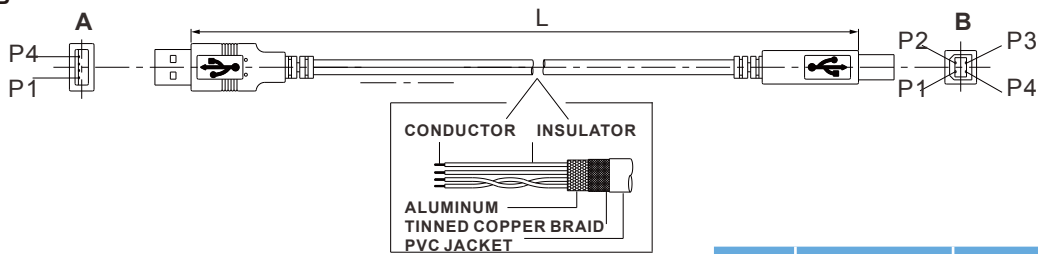
ASD-CARS0003



Item	Part No.	L	
		mm	inch
1	ASD-CARS0003	3000 ± 100	118 ± 4

## ● Communication Cable between Drive and Computer (for PC)

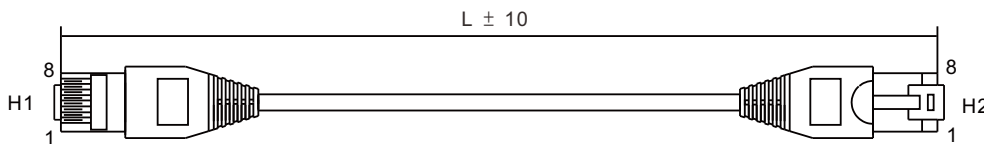
DOP-CAUSBAB



Item	Part No.	L	
		mm	inch
1	DOP-CAUSBAB	1400 ± 30	55 ± 1.2

## ● CANopen Communication Cable

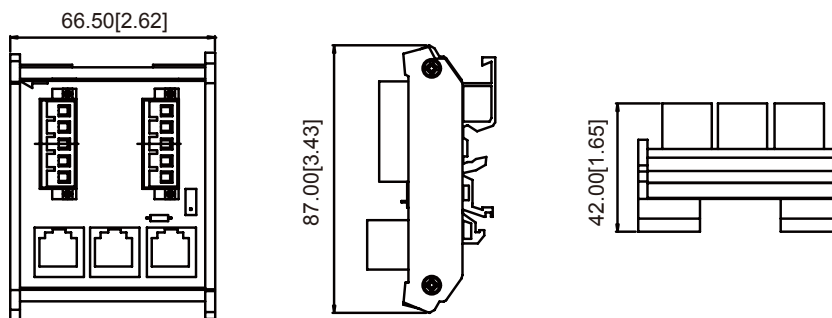
TAP-CB03 · TAP-CB05



Item	Part No.	L	
		mm	inch
1	TAP-CB03	300±10	11±0.4
2	TAP-CB05	500±10	19±0.4

## ● CANopen Distribution Box Units: mm[inch]

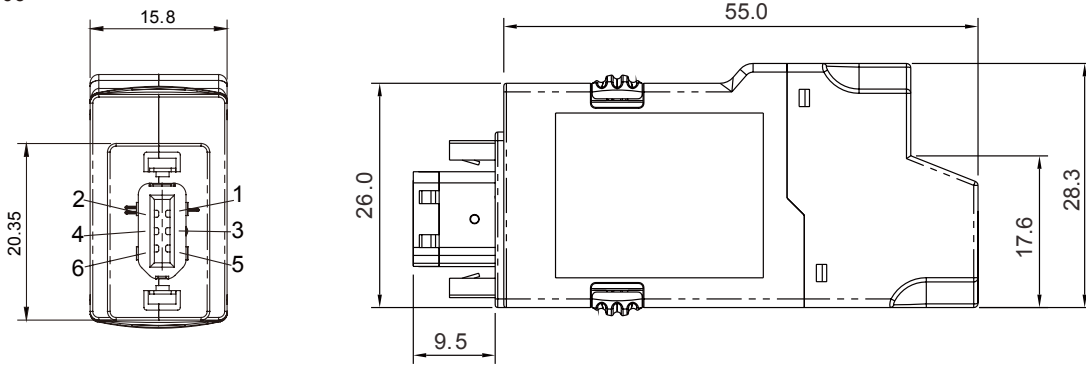
TAP-CN03



- 1) Other accessories for ASDA-A2 series will be increased gradually.
- 2) Accessories images shown here may differ from actual product appearance. Please refer to the actual product appearance.

● **RS-485 Connector** Units: mm[inch]

ASD-CNIE0B06



● **CN1 I/O Connector** Units: mm[inch]

ASD-IF-SC5020

