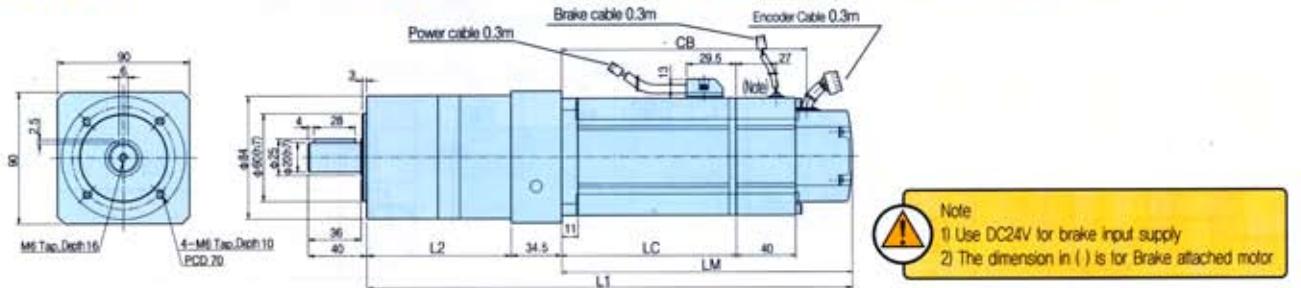


/// Gearhead Servo Motor Dimension

/// APM-SC04A, SC03D, APM-SC06A, SC05D, APM-SC08A, SC06D, APM-SC10A, SC07D



Plug Specification

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

Plug Specification : 172167-1 (Made by AMP)
(Connector Pin for Power)

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

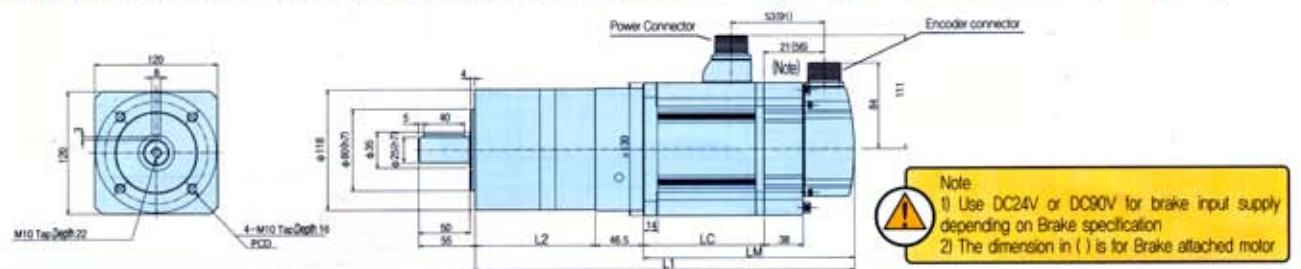
Plug Specification : 172165-1 (Made by AMP)
(Brake connector Pin)

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

Plug Specification : 172171-1 (Made by AMP)
(Encoder connector Pin)

Model	Reduction Ratio	External Dimension					Weight (kg)
		L1	L2	LM	LC	CB	
SC04A, SC03D	5/7/10	251(291)	98.5	118(158)	79	86.5(127)	4.18(5.22)
	16/20/25/40/70	284(324)	131.5	118(158)	79	86.5(127)	4.98(6.02)
SC06A, SC05D	5/7/10	271(311)	98.5	138(178)	99	106.5(147)	4.82(5.86)
	16/20/25/40	304(344)	131.5	138(178)	99	106.5(147)	5.62(6.66)
SC08A, SC06D	5/7/10	291(331)	98.5	158(198)	119	126.5(167)	5.48(6.52)
	16/20/25/40	324(364)	131.5	158(198)	119	126.5(167)	6.28(7.32)
SC10A, SC07D	5/7/10	311(351)	98.5	178(218)	139	146.5(187)	6.27(7.24)
	16/20/25	344(384)	131.5	178(218)	139	146.5(187)	7.0(8.04)

/// APM-SE09A, SE06D, SE05G, SE03M, APM-SE15A, SE11D, SE09G, SE06M, APM-SE22A, SE16D, SE13G, SE09M, APM-SE30A, SE22D, SE17G, SE06M



Plug Specification

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

Specification : MS3102A20-4P (Standard)

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

Specification : MS3102A20-5P (Brake attached type)

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

Specification : MS3102A20-29P

Model	Reduction Ratio	External Dimension				Weight (kg)
		L1	L2	LM	LC	
SE09A, SE06D	5/7/10	308(346)	117.5	144(182)	94	11.3(12.84)
SE05G, SE03M	16/20/25/40/70	348(386)	157.5	144(182)	94	13.4(14.94)
SE15A, SE11D	5/7/10	332(370)	117.5	168(206)	118	13.31(14.88)
SE09G, SE06M	16/20/25/40	372(410)	157.5	168(206)	118	15.44(16.98)
SE22A, SE16D	5/7/10	356(394)	117.5	192(230)	142	15.48(17.02)
SE13G, SE09M	16/20/25	398(434)	157.5	192(230)	142	17.58(19.12)
SE30A, SE22D	5/7/10	380(418)	117.5	216(254)	166	17.58(19.12)
SE17G, SE12M	16/20	420(458)	157.5	216(254)	166	19.68(21.22)