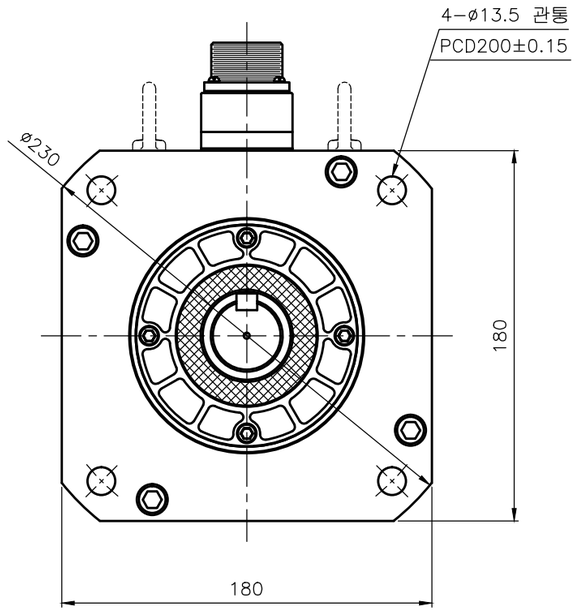
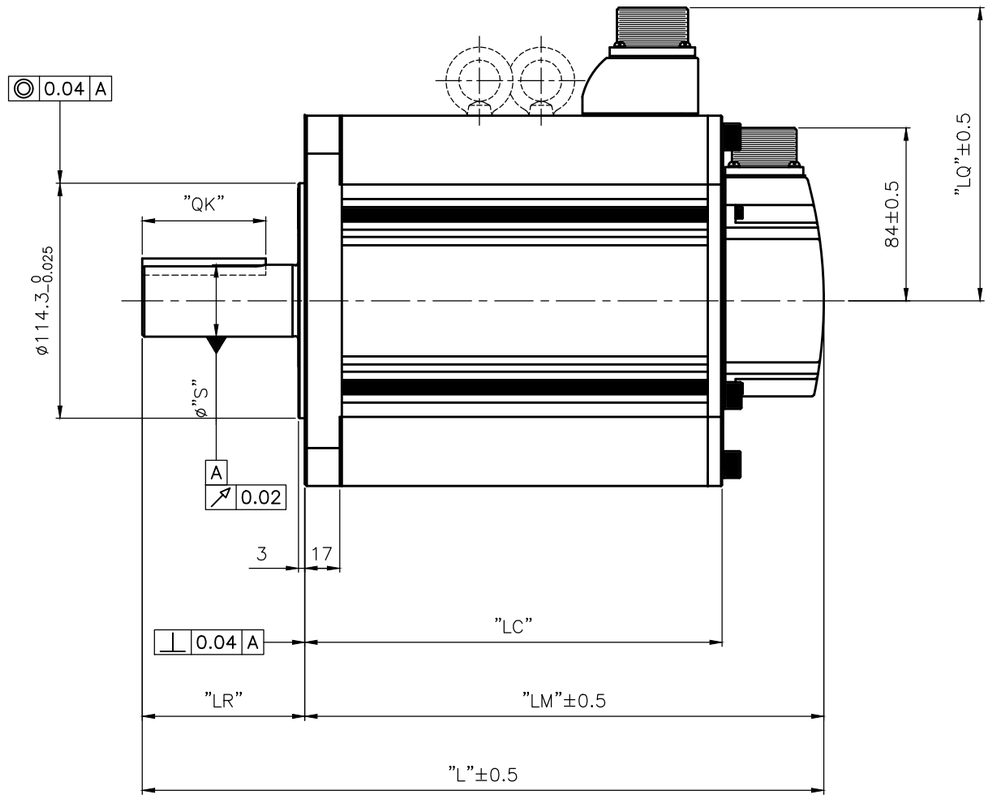
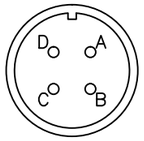
소 요 수 QTY					품 번 ITEM	품 명 DESCRIPTION	재 질 MATERIAL	규 격 SPECIFICATION	비 고 REMARK
G05	G04	G03	G02	G01					
				1	01	Out Line		APM-FF30A/22D/20G/12MMK1	Key, OilSeal Type
			1		02	Out Line		APM-FF50A/35D/30G/20MMK1	Key, OilSeal Type
		1			03	Out Line		APM-FF55D/44G/30MMK1	Key, OilSeal Type
	1				04	Out Line		APM-FF75D/60G/44MMK1	Key, OilSeal Type
1					05	Out Line		APM-FF75GMK1	Key, OilSeal Type



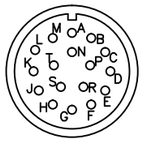




MS3102A22-22P/32-17P
(4 pole plug)

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

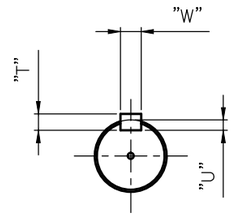
<Power Connector 핀 배열>



MS3102A20-29P
(17 pole plug)

Pin No.	Encoder Phase	Pin No.	Encoder Phase
A	MA	M	-
B	$\overline{MA}$	N	-
C	SLO	P	-
D	$\overline{SLO}$	R	-
E	VDD_B	H	+5V
F	GND_B	G	0V
K	-	J	SHIELD
L	-		

<Encoder Connector 핀 배열>



<Shaft Dimensions>

<외형 치수>

군 번	Part No.	모델명	외형치수 L	LM	LC	LR	LQ	S	Key 치수 QK	T	W	U	Connecotr 형명	아이 볼트
G01	47160521	APM-FF30AMK1	257.5	178.5	129	79	142.5	$35^{+0.01}_{0}$	60	8	10	5	MS3102A22-22P	무
	47160531	APM-FF22DMK1												
	47160540	APM-FF20GMK1												
	47160550	APM-FF12MMK1												
G02	47160522	APM-FF50AMK1	287.5	208.5	159	79	142.5	$35^{+0.01}_{0}$	60	8	10	5	MS3102A22-22P	무
	47160532	APM-FF35DMK1												
	47160541	APM-FF30GMK1												
	47160551	APM-FF20MMK1												

군 번	Part No.	모델명	외형치수 L	LM	LC	LR	LQ	S	Key 치수 QK	T	W	U	Connecotr 형명	아이 볼트
G03	47161199	APM-FF55DMK1	331.5	252.5	203	79	142.5	$35^{+0.01}_{0}$	60	8	10	5	MS3102A22-22P	유
	47160542	APM-FF44GMK1												
	47160552	APM-FF30MMK1												
G04	47160887	APM-FF75DMK1	384.5	305.5	256	79	142.5	$42^{0}_{-0.016}$	60	8	12	5	MS3102A22-22P	유
	47160890	APM-FF60GMK1												
	47160553	APM-FF44MMK1												
G05	47160891	APM-FF75GMK1	439.5	326.5	277	113	153.7	$42^{0}_{-0.016}$	96	8	12	5	MS3102A32-17P	유

무지정 공차	
치수 구분	기본 공차
~3mm 이하	±0.10
3~6mm 이하	±0.12
6~10mm 이하	±0.15
10~18mm 이하	±0.18
18~30mm 이하	±0.21
30~50mm 이하	±0.25
50~80mm 이하	±0.30
80~120mm 이하	±0.35
120~180mm 이하	±0.40
180~250mm 이하	±0.46
250~315mm 이하	±0.52
315~400mm 이하	±0.57
400~500mm 이하	±0.63
500mm 초과	±0.70

정0 개 CHANGE								
1	2	3	4	5	LS Mecapion	삼 각 법 3RD ANGLE PROJECTION	척 도 SCALE	제 품 명 PRODUCT NAME	AP18 Servo Motor
						단 위 UNIT	일 자 DATA	도면명칭 TITLE	Out Line (Key, OilSeal Type)
						MM	2018.11.01		
					설 계 DESIGNED	검 도 CHECKED	승 인 APPROVED	도면번호 DWG. NO.	FM18GA005 1/1
								참조도면 REF. NO.	Ver 1.0