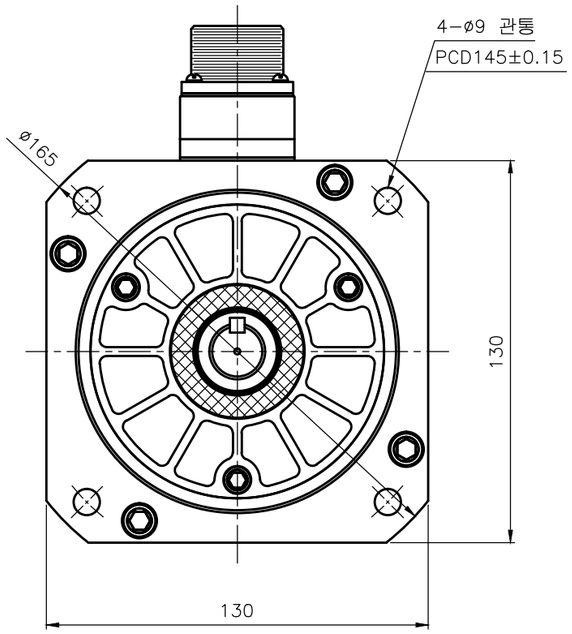
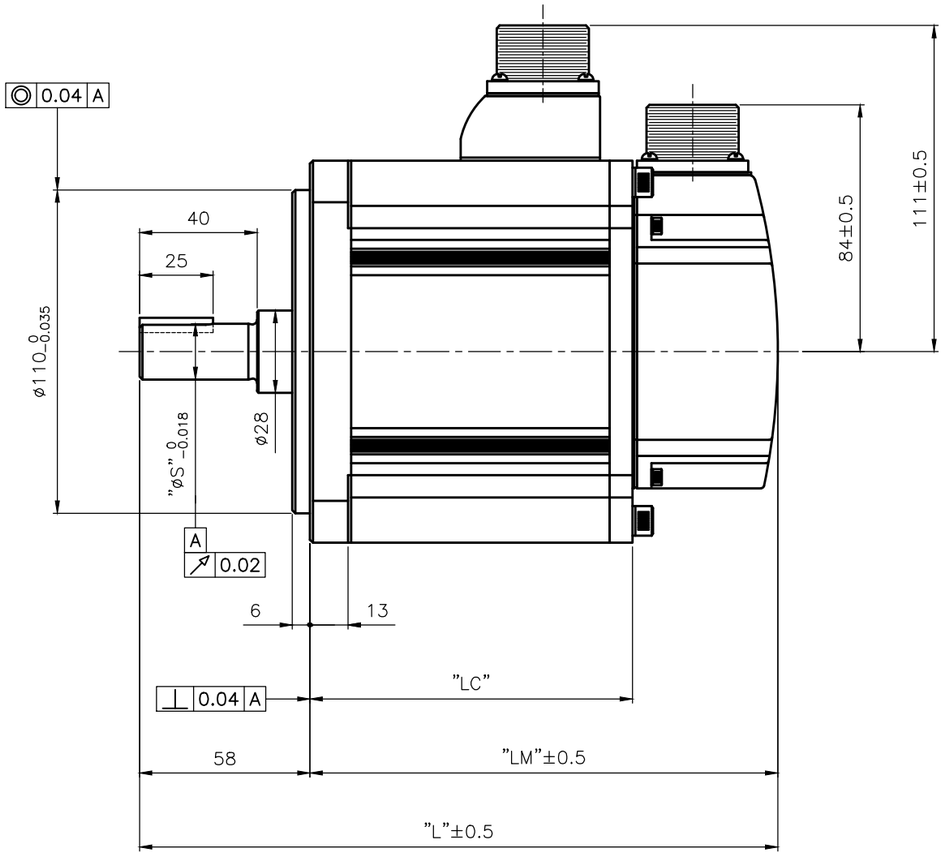
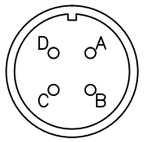
소 요 수 QTY				품 번	품 명	재 질	규 격	비 고
G04	G03	G02	G01	ITEM	DESCRIPTION	MATERIAL	SPECIFICATION	REMARK
			1	01	Out Line		APM-FE09A/06D/05G/03MMK1	Key, OilSeal Type
		1		02	Out Line		APM-FE15A/11D/09G/06MMK1	Key, OilSeal Type
	1			03	Out Line		APM-FE22A/16D/13G/09MMK1	Key, OilSeal Type
1				04	Out Line		APM-FE30A/22D/17G/12MMK1	Key, OilSeal Type



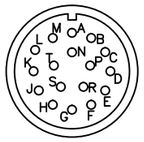




MS3102A20-4P
(4 pole plug)

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

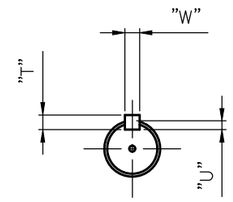
<Power Connector 핀 배열>



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	L	LM	LC	S	T	W	U
G01	47160517	APM-FE09AMK1	197.3	139.3	89.8	19	5	5	3
	47160527	APM-FE06DMK1							
	47160536	APM-FE05GMK1							
	47160546	APM-FE03MMK1							
G02	47160518	APM-FE15AMK1	217.3	159.3	109.8	19	5	5	3
	47160528	APM-FE11DMK1							
	47160537	APM-FE09GMK1							
	47160547	APM-FE06MMK1							

군 번	Part No.	모델명	L	LM	LC	S	T	W	U
G03	47160519	APM-FE22AMK1	237.3	179.3	129.8	22	6	6	3.5
	47160529	APM-FE16DMK1							
	47160538	APM-FE13GMK1							
	47160548	APM-FE09MMK1							
G04	47160520	APM-FE30AMK1	255.3	197.3	147.8	24	7	8	4
	47160530	APM-FE22DMK1							
	47160539	APM-FE17GMK1							
	47160549	APM-FE12MMK1							

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

개정 CHANGE	
R0	
1	
2	
3	
4	
5	

LS Mecapion

삼각법 3RD ANGLE PROJECTION	척도 SCALE	제품명 PRODUCT NAME	AP13 Servo Motor
	1/1 , N.S		
단위 UNIT	일자 DATA	도면명칭 TITLE	Out Line (Key. OilSeal Type)
MM	2018.11.01		
설계 DESIGNED	검도 CHECKED	승인 APPROVED	
		도면번호 DWG. NO.	FM13GA005 1/1
		참조도면 REF. NO.	Ver 1.0