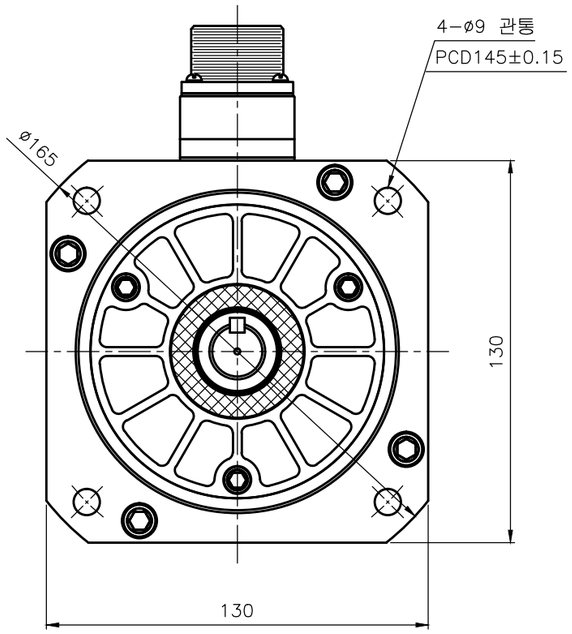
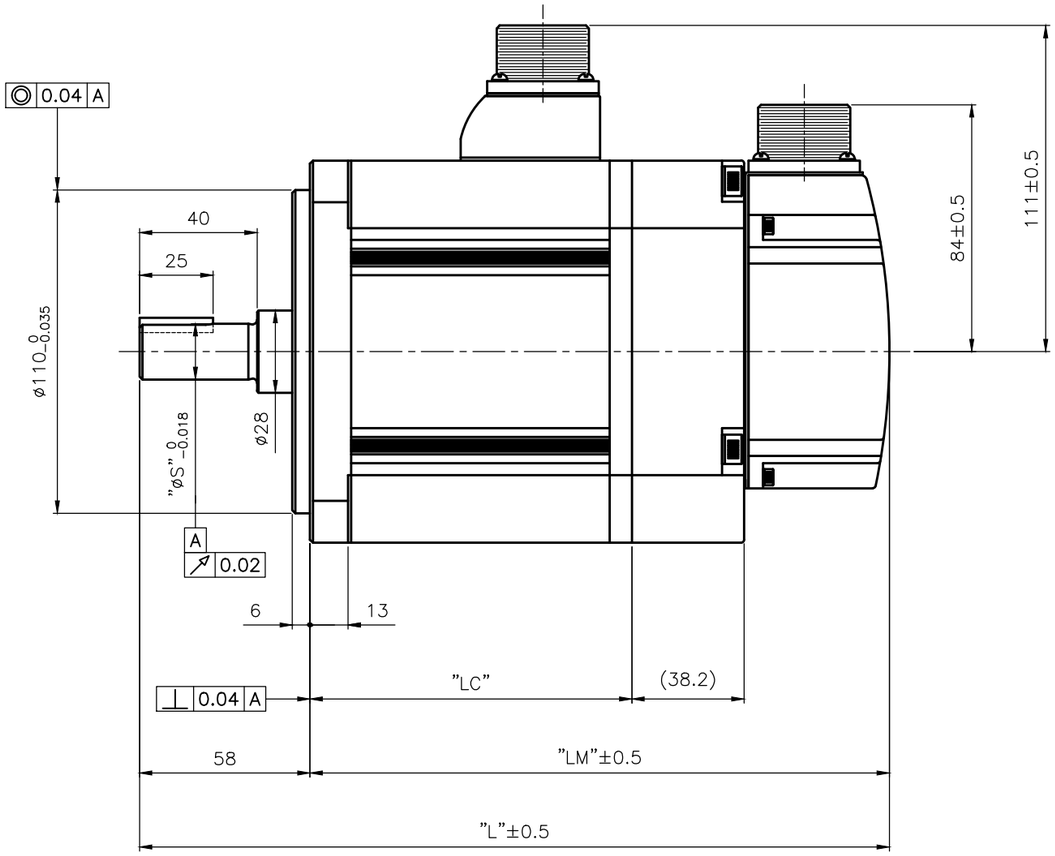
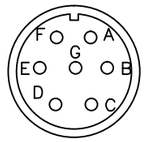
소 요 수 QTY				품 번	품 명	재 질	규 격	비 고
G04	G03	G02	G01	ITEM	DESCRIPTION	MATERIAL	SPECIFICATION	REMARK
			1	01	Out Line		APM-FE09A/06D/05G/03MMK3	Key, Brake, OilSeal Type
		1		02	Out Line		APM-FE15A/11D/09G/06MMK3	Key, Brake, OilSeal Type
	1			03	Out Line		APM-FE22A/16D/13G/09MMK3	Key, Brake, OilSeal Type
1				04	Out Line		APM-FE30A/22D/17G/12MMK3	Key, Brake, OilSeal Type



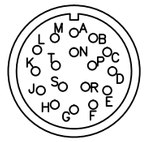




MS3102A20-15P
(7 pole plug)

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

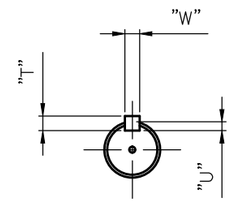
<Power Connector 핀 배열>



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	47161293	APM-FE09AMK3	235.3	177.3	89.6	19	5	5	3
	47161258	APM-FE06DMK3							
	47160855	APM-FE05GMK3							
	47161278	APM-FE03MMK3							
G02	47160852	APM-FE15AMK3	255.3	197.3	109.6	19	5	5	3
	47161259	APM-FE11DMK3							
	47160856	APM-FE09GMK3							
	47161279	APM-FE06MMK3							

군 번	Part No.	모델명	L	LM	LC	S	T	W	U
G03	47160853	APM-FE22AMK3	275.3	217.3	129.6	22	6	6	3.5
	47161178	APM-FE16DMK3							
	47160857	APM-FE13GMK3							
	47161280	APM-FE09MMK3							
G04	47160854	APM-FE30AMK3	293.3	235.3	147.6	24	7	8	4
	47161260	APM-FE22DMK3							
	47160858	APM-FE17GMK3							
	47161281	APM-FE12MMK3							

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, Brake, OilSeal Type)
MM	2018.11.01		
설계 DESIGNED	검도 CHECKED	승인 APPROVED	
		도면번호 DWG. NO.	FM13GA007 1/1
		참조도면 REF. NO.	Ver 1.0