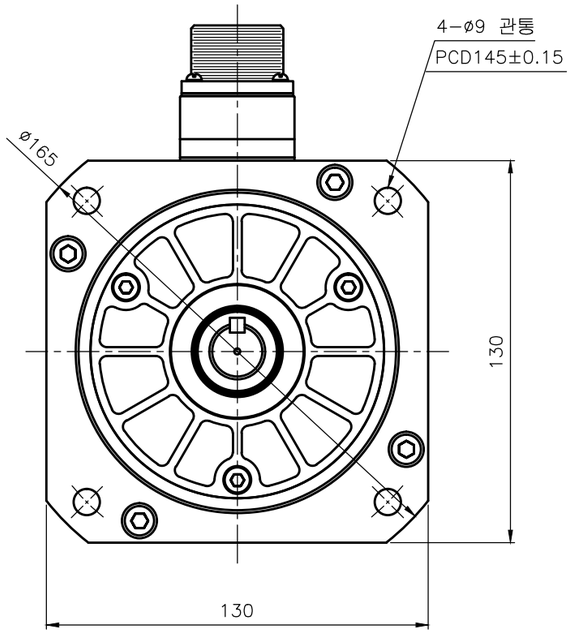
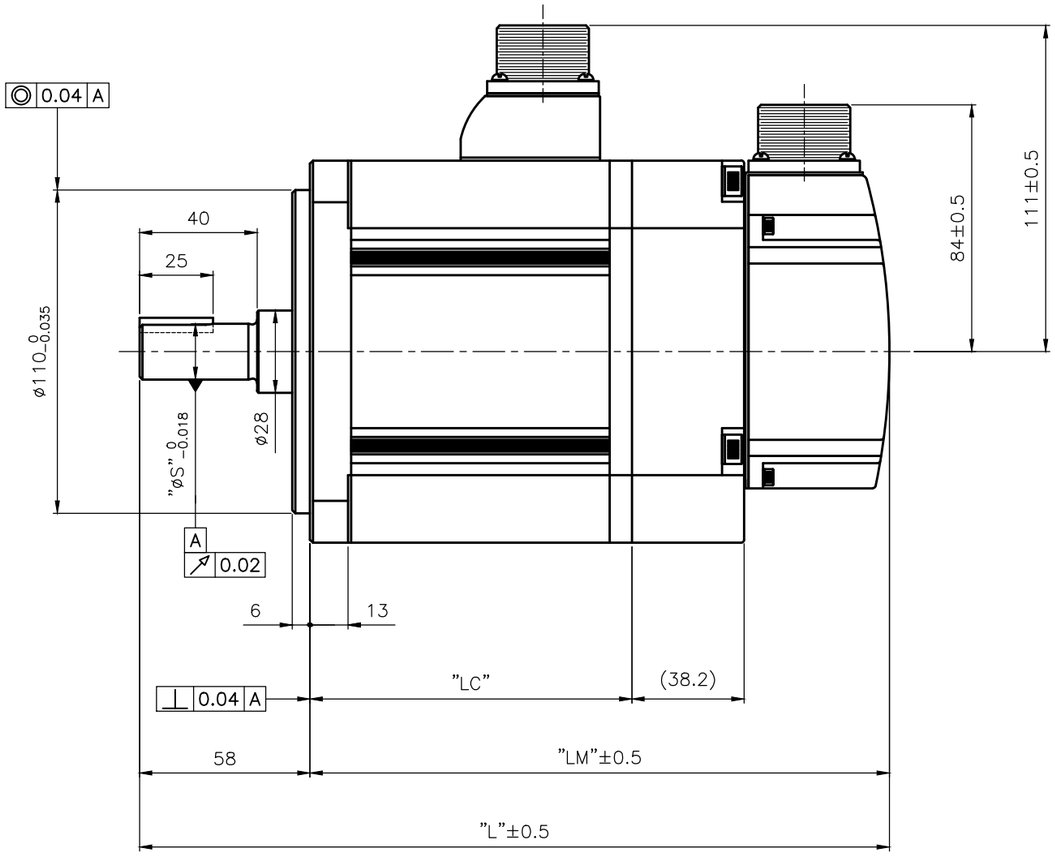
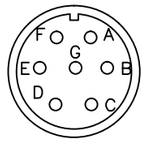
소 요 수 QTY				품 번	품 명	재 질	규 격	비 고
G04	G03	G02	G01	ITEM	DESCRIPTION	MATERIAL	SPECIFICATION	REMARK
			1	01	Out Line		APM-FEP09A/06D/05G/03MMK2	Key, Brake Type
		1		02	Out Line		APM-FEP15A/11D/09G/06MMK2	Key, Brake Type
	1			03	Out Line		APM-FEP22A/16D/13G/09MMK2	Key, Brake Type
1				04	Out Line		APM-FEP30A/22D/17G/12MMK2	Key, Brake Type



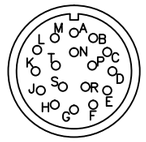




MS3102A20-15P
(7 pole plug)

<Power Connector 핀 배열>

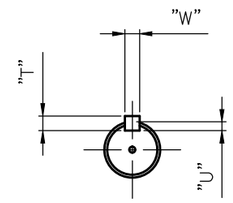
Pin No.	Phase
A	U
B	V
C	W
D	FG
E	BK+
F	BK-



MS3102A20-29P
(17 pole plug)

<Encoder Connector 핀 배열>

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	-		



<Shaft Dimensions>

<외형 치수>

군 번	Part No.	모델명	L	LM	LC	S	T	W	U
G01	47160654	APM-FEP09AMK2	235.3	177.3	89.6	19	5	5	3
	47160660	APM-FEP06DMK2							
	47160672	APM-FEP05GMK2							
	47160685	APM-FEP03MMK2							
G02	47160655	APM-FEP15AMK2	255.3	197.3	109.6	19	5	5	3
	47160661	APM-FEP11DMK2							
	47160673	APM-FEP09GMK2							
	47160686	APM-FEP06MMK2							

군 번	Part No.	모델명	L	LM	LC	S	T	W	U
G03	47160656	APM-FEP22AMK2	275.3	217.3	129.6	22	6	6	3.5
	47160662	APM-FEP16DMK2							
	47160674	APM-FEP13GMK2							
	47160687	APM-FEP09MMK2							
G04	47160657	APM-FEP30AMK2	293.3	235.3	147.6	24	7	8	4
	47160663	APM-FEP22DMK2							
	47160675	APM-FEP17GMK2							
	47160688	APM-FEP12MMK2							

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	도면명칭 TITLE	Out Line (Key, Brake Type)
단위 UNIT	일자 DATA		
MM	2018.11.01		
설계 DESIGNED	검도 CHECKED	승인 APPROVED	도면번호 DWG. NO. FMP13GA003 1/1
			참조도면 REF. NO. Ver 1.0