

RE07 SERIES ROTARY ENCODER

CODE EXPLANATION – FOR EXAMPLE 规格说明 - 示例

RE07 - **A** **1** - **HN** **3** - **B5** - **F20**

F TYPE SHAFT WITH LENGTH **20mm** (SEE DRAWING 2)
轴型及轴长 (参见图2)

LENGTH OF **BUSH** **5mm**
轴套长度5mm

HEIGHT OF TERMINAL **3mm**
针脚高度3mm

TYPE OF TERMINAL: **HN**
脚型HN

NUMBER OF CIRCUIT : **1** - SINGLE UNIT
电路数:1-单联

STYLE **A** (SEE DRAWING 1)
外型A (参见图1)

TYPE OF PRODUCT
产品名称

DRAWING 1 -图1

RE07 SERIES TYPE OF FRAME 脚型



DRAWING 2 -图2

RE07 SERIES SHAFT TYPE AND DATA 轴型及轴长

SHAFT DATA SHEET		L	12	15	18	20	25
F TYPE	RE07-A B5	F1	5	7	9	12	12
	B10	F1	-	-	6	7	12
	RE07-C B5	F1	-	-	9	5.4	-

RE07 SERIES CHARACTERISTICS 规格参数

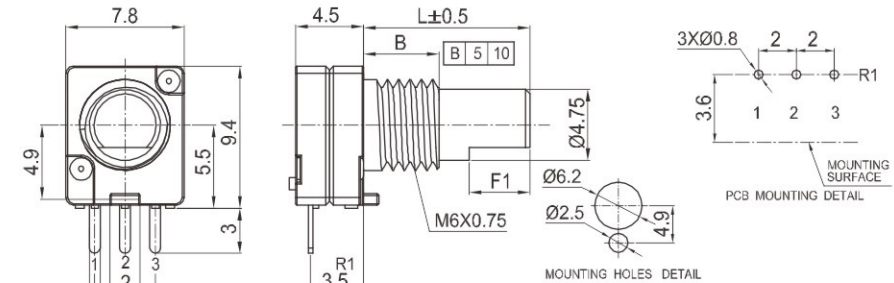
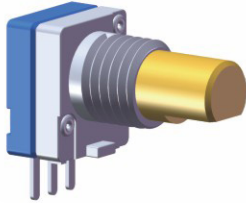
	RE07-A1	RE07-A4	RE07-C3
TOTAL ROTATIONAL ANGLE 总旋转角度	360°	300° ± 5°	300° ± 5°
CLICK TORQUE C.C.扭力	0.2 - 1.5N.cm	0.2 - 1.5N.cm	0.8 - 2.5N.cm
CLICK POSITION C.C. 位置	20 DETENT	16 DETENT	16DETENT
PUSH-PULL STRENGTH OF SHAFT 轴推拉强度	PUSH 50N / PULL 30N		
STOPPING ROTATIONAL TORQUE 止档强度	30N.cm		
RATED POWER 额定功率	0.05W		
MAX. OPERATING VOLTAGE 最高工作电压	50V AC		
INSULATION RESISTANCE 绝缘电阻	MORE THAN 100MΩ AT DC 250V		
WITHSTAND VOLTAGE 耐受电压	1 MINUTE OR MORE AT AC 500V		
ROTATIONAL LIFE 旋转寿命	30,000CYCLES	30,000CYCLES	15,000CYCLES

RE07 SERIES ROTARY ENCODER

MODEL

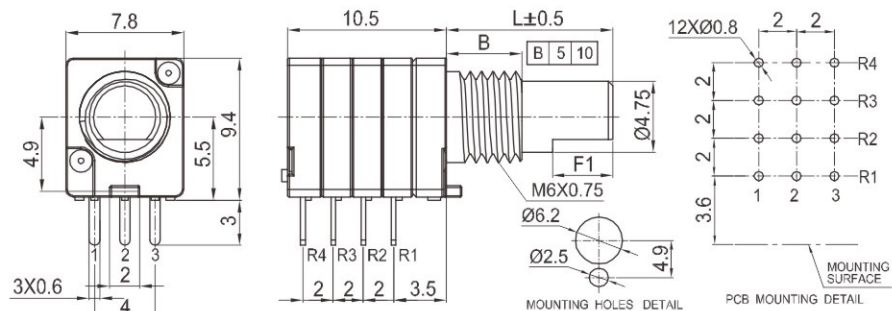
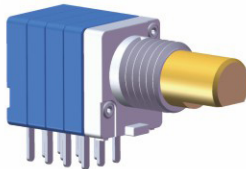
DIMENSIONS

RE07-A1-HN3-B-F



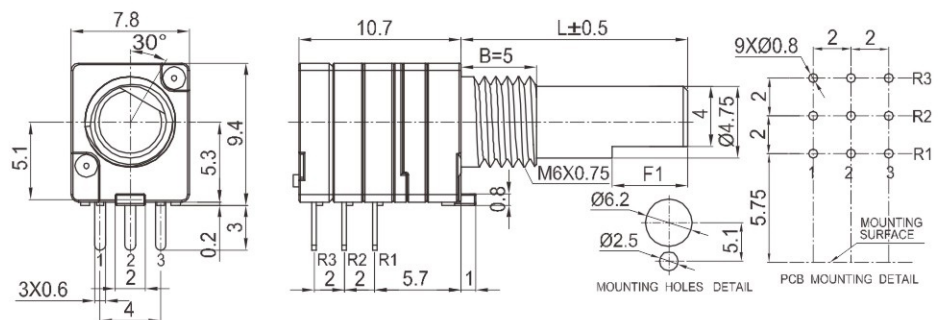
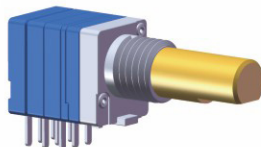
Click Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
R1 (1-2)	1	0	1	0	1	0	1	0	1	0	0	1	0	1	0	1	0	1	0	1
R1 (2-3)	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0

RE07-A4-HN3-B-F

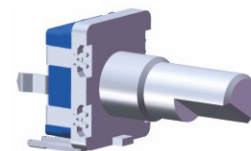


Click Position	FULL C.C.W.				C.W.											
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
R1 (1-2)	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
R2 (2-3)	1	1	1	1	0	0	0	0	1	1	1	1	0	0	0	0
R3 (2-3)	1	1	0	0	1	1	0	0	1	1	0	0	1	1	0	0
R3 (2-3)	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0

RE07-C3-HN3-B5-F



Click Position	FULL C.C.W.				C.W.											
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
R1	T1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
R2	T3	0	1	0	1	0	1	0	1	0	0	1	1	0	0	1
R3	T1	1	1	1	1	0	0	0	0	0	1	1	1	1	0	0
R3	T3	0	0	1	1	1	1	0	0	0	0	1	1	1	1	0
R3	T1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
R3	T3	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0



RE11 | RE16 SERIES ROTARY ENCODER

CODE EXPLANATION - FOR EXAMPLE 规格说明 - 示例

RE11 **S** - **A** **12.5** - **HN** - **B5** - **F20** **(M)**

MATERIAL OF SHAFT: **METAL / PLASTIC**

轴的材质: M - 金属 / P - 塑料

F TYPE SHAFT WITH LENGTH **20mm** (SEE DRAWING 3)

轴型及轴长 (参见图3)

LENGTH OF **BUSH** **5mm**

轴套长度5mm

TYPE OF TERMINAL. **HN/VN** ARE AVAILABLE (SEE DRAWING 2)

脚型.现有脚型HN和VN (参见图2)

MAX. WIDTH OF FRAME (DIMENSIONS "D")

支架中心宽度 (尺寸图中 "D" 的尺寸)

TYPE **A** FRAME (SEE DRAWING 1)

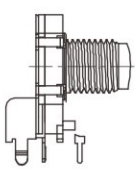
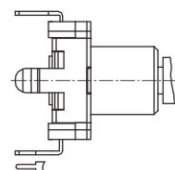
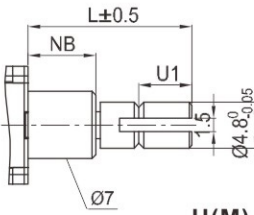
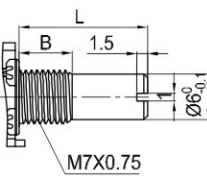
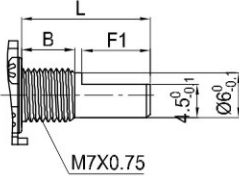
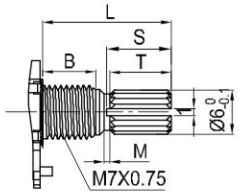
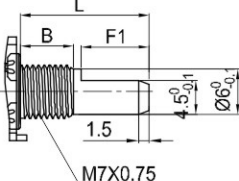
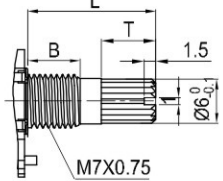
支架类型A (参见图1)

S-WITH SWITCH / **N**-WITHOUT SWITCH

S - 带开关 / N - 无开关

TYPE OF PRODUCT

产品名称

DRAWING 1 -图1		RE11 RE16 SERIES TYPE OF FRAME 支架类型		
	A		B	
			D	
DRAWING 2 -图2		RE11 RE16 SERIES TYPE OF TERMINAL 脚型		
		HN		
			VN	
DRAWING 3 -图3		RE11 16 SERIES SHAFT TYPE AND DATA 轴型及轴长		
		U(M) TYPE		
			S(M) TYPE	
				F(M) TYPE
		K(M) TYPE		
			F(P) TYPE	
				K(P) TYPE

RE11 | RE16 SERIES ROTARY ENCODER

SHAFT DATA SHEET				L	15	17	20	25	30
METAL SHAFT (M)	RE11N-A	NB=5	F TYPE	F1	7	-	7	12	-
			U TYPE	U1	3.5	-	-	-	-
	RE11S-A	NB=5	U TYPE	U1	-	5.5	-	-	-
		NB=7							
	RE11	NB=7	F TYPE	F1	5	-	10	12	-
		B=5	S TYPE	L	15	-	20	25	30
				T	6	-	10	10	12
		B=7	K TYPE	M	1	-	1	2	4
				S	7	-	11	11	14
		B=9	F TYPE	F1	7	-	12	12	12
		B=5							
		NB=5							
		B=7							
PLASTIC SHAFT (P)	RE16	NB=7							
		B=5	F TYPE	F1	3.5	-	7	12	12
		B=7	K TYPE	T	7	-	12	12	-

RE11N-A SERIES CHARACTERISTICS 规格参数

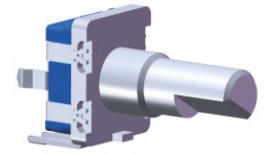
TOTAL ROTATIONAL ANGLE 总旋转角度	85° ± 5°
PUSH-PULL STRENGTH OF SHAFT 轴推拉强度	80N
STOPPING ROTATIONAL TORQUE 止档强度	40N.cm
ROTATIONAL TORQUE 旋转力矩	0.8-2N.cm
RATED POWER 额定功率	5V DC 10mA
INSULATION RESISTANCE 绝缘电阻	MORE THAN 100MΩ AT DC 300V
WITHSTAND VOLTAGE 耐电压	MORE THAN 300V AC FOR 1 MINUTE
ROTATIONAL LIFE 旋转寿命	15,000CYCLES

RE11S-A SERIES CHARACTERISTICS 规格参数

TOTAL ROTATIONAL ANGLE 总旋转角度	360°
CLICK TORQUE C.C.扭力	0.3 - 2N.cm
CLICK POSITION C.C. 位置	18/20 DETENT
RESOLUTION 解析度	9/20 PULSES
RATED POWER 额定功率	5V DC 10mA
INSULATION RESISTANCE 绝缘电阻	MORE THAN 100MΩ AT DC 300V
WITHSTAND VOLTAGE 耐电压	MORE THAN 300V AC FOR 1 MINUTE
MAX. OPERATING CURRENT 最高工作电流	10mA
SWITCH OPERATING TORQUE 开关力矩	4-8N.cm
SWITCH RATED POWER 开关额定功率	16V DC 10mA
SWITCH LIFE 开关寿命	20,000CYCLES

RE11-B | RE11-C | RE16 SERIES CHARACTERISTICS 规格参数

	RE11-B RE11-C	RE16
TOTAL ROTATIONAL ANGLE 总旋转角度	360°	360°
CLICK TORQUE C.C.扭力	0.5 - 2N.cm	0.4 - 2N.cm
CLICK POSITION C.C. 位置	20/30 DETENT	12/24 DETENT
PUSH-PULL STRENGTH OF SHAFT 轴推拉强度	80N	70N
RATED POWER 额定功率	5V DC 10mA	5V DC 0.5mA
INSULATION RESISTANCE 绝缘电阻	MORE THAN 100MΩ AT DC 250V	
WITHSTAND VOLTAGE 耐电压	AC300V FOR 1 MINUTE	AC50V FOR 1 MINUTE
MAX. OPERATING CURRENT 最高工作电流	AC 50V	AC 50V
ROTATIONAL LIFE 旋转寿命	15,000 CYCLES	10,000 CYCLES

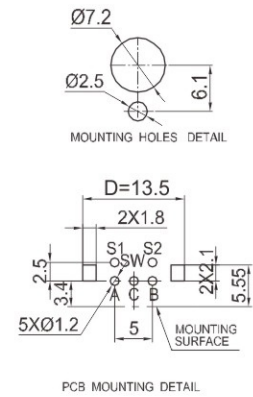
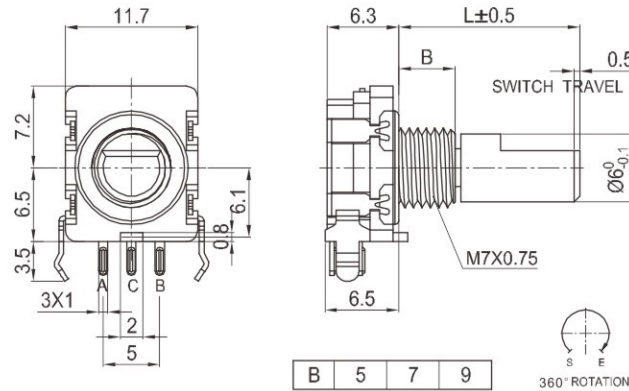
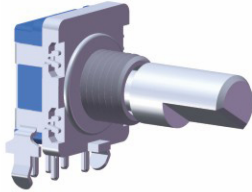


RE11 | RE16 SERIES ROTARY ENCODER

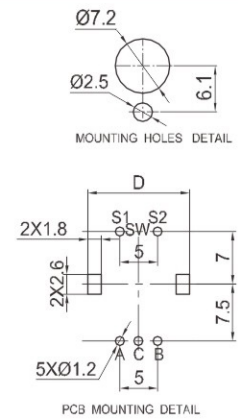
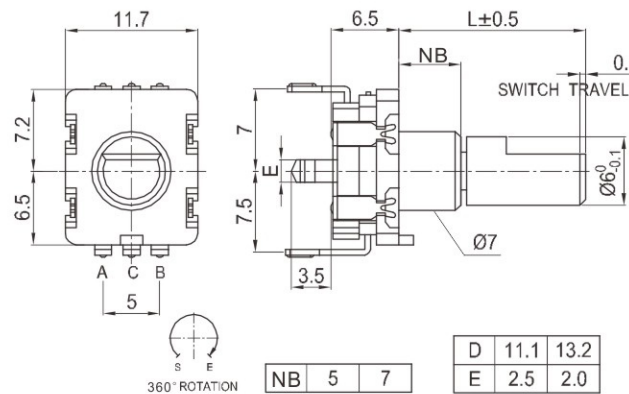
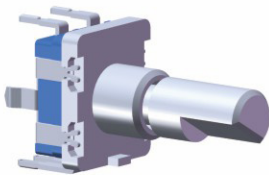
MODEL

DIMENSIONS

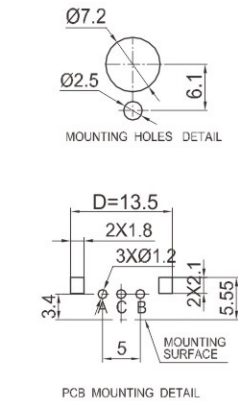
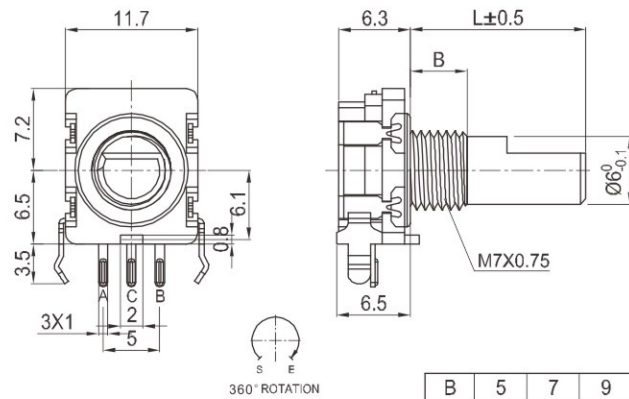
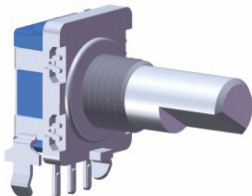
RE11S-B13.5-HN-B-F



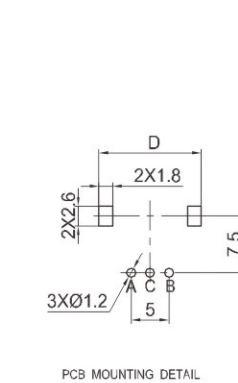
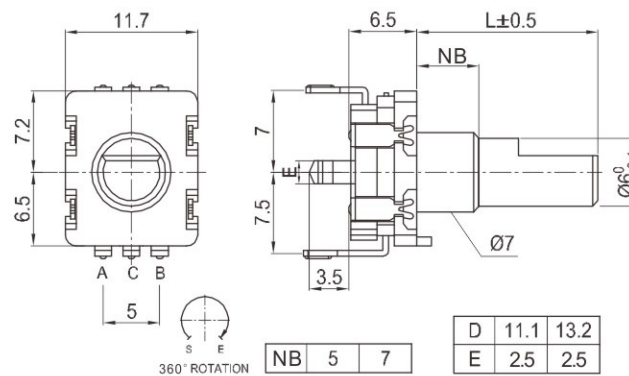
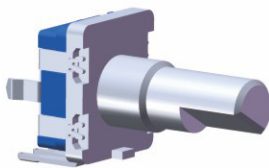
RE11S-C-HN-NB-F



RE11N-B13.5-HN-B-F



RE11N-C-VN-NB-F

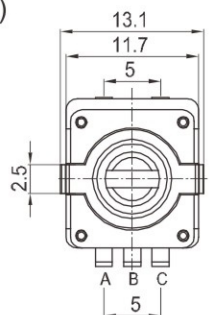
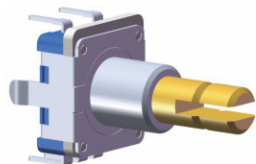


RE11 | RE16 SERIES ROTARY ENCODER

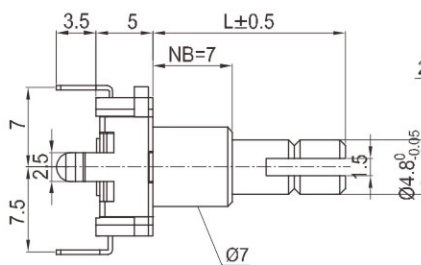
MODEL

DIMENSIONS

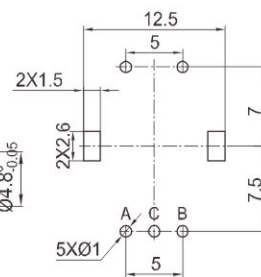
RE11N-A12.5-VN-NB7-U(M)



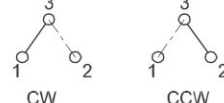
SHAFT SHOWN IN
FULL C.C.W POSITION



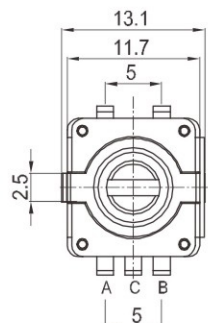
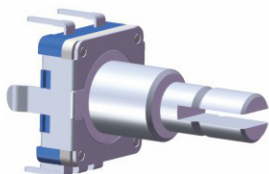
85° ROTATION



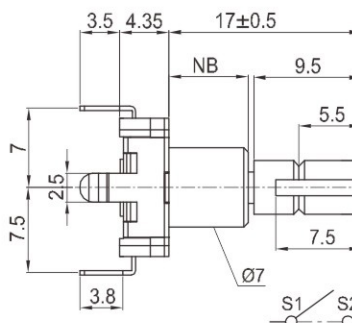
PCB MOUNTING DETAIL



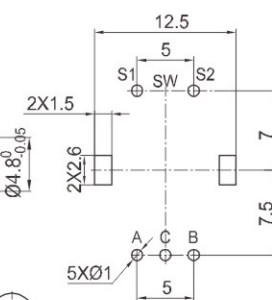
RE11S-A12.5-VN-NB-U(M)



SHAFT SHOWN IN
FULL C.C.W POSITION

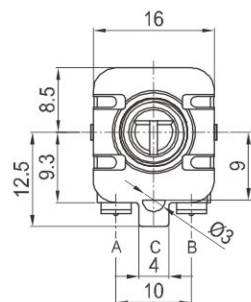
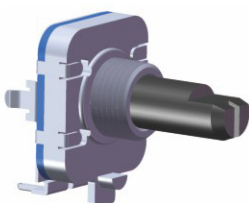


360° ROTATION

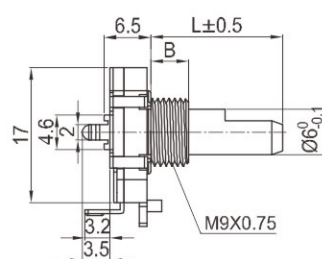


PCB MOUNTING DETAIL

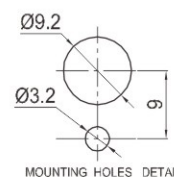
RE16N-E16.8-VN-B-F



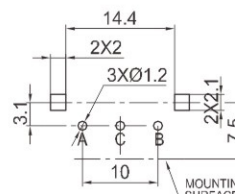
SHAFT SHOWN IN
FULL C.C.W POSITION



360° ROTATION

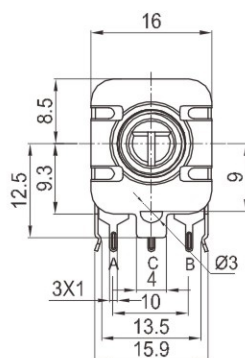
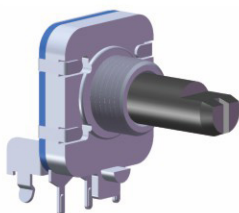


MOUNTING HOLES DETAIL

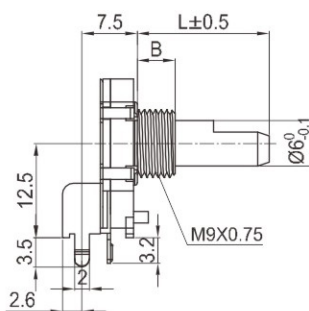


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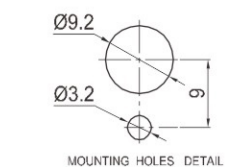
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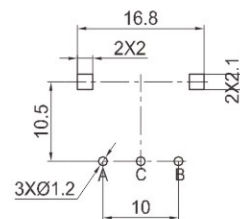
SHAFT SHOWN IN
FULL C.C.W POSITION



360° ROTATION



MOUNTING HOLES DETAIL



PCB MOUNTING DETAIL