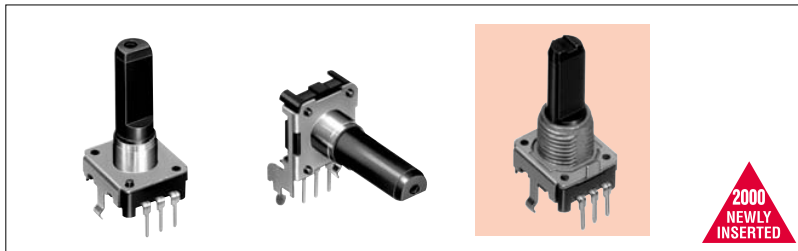


## 12mm Size Insulated Shaft Encoder

Insulated shaft type provided with push-on switch and suitable for a variety of applications.



2000  
NEWLY  
INSERTED

OVERSEAS  
PRODUCTS  
2000

That part which is shown on the patterned background among the left appearance photograph is new product.

### Features

- Achieved high resolution, 12 pulse 12 click and 24 pulse 24 click, for 12 mm dimension sets.
- Used a new structure for the shaft and bushing and achieved a high precision, high feeling system.
- Capable for adaptation with a 0.5 mm push switch.
- Incremental type.

### Applications

- Various level controls for MDs and CDs.
- Various controls for TVs and monitors.
- For level control for other home videos.

### Products Line

#### ● With High Collar Type

(Pulses / Rotation)	Type	Detent torque	Model	Order No.	Dimensions insertion page and No.	
					Without Switch	With Switch
12/360°	Horizontal type	Standard detent	EC12E122	EC12E122○2F○○	P.150-1	P.151-4
	Vertical type		EC12E122	EC12E122○4F○○	P.150-2	P.151-5
	Horizontal type	Light detent	EC12E125	EC12E125○2F○○	P.150-1	P.151-4
	Vertical type		EC12E125	EC12E125○4F○○	P.150-2	P.151-5
	Horizontal type	JOG detent	EC12E124	EC12E124○2F○○	P.150-1	P.151-4
	Vertical type		EC12E124	EC12E124○4F○○	P.150-2	P.151-5
24/360°	Horizontal type	Standard detent	EC12E242	EC12E242○2F○○	P.150-1	P.151-4
	Vertical type		EC12E242	EC12E242○4F○○	P.150-2	P.151-5
	Horizontal type	Light detent	EC12E245	EC12E245○2F○○	P.150-1	P.151-4
	Vertical type		EC12E245	EC12E245○4F○○	P.150-2	P.151-5
	Horizontal type	JOG detent	EC12E244	EC12E244○2F○○	P.150-1	P.151-4
	Vertical type		EC12E244	EC12E244○4F○○	P.150-1	P.151-5
	Vertical type	Audio feeling	EC12E243	EC12E243○4F○○	P.150-2	—

#### ● With Bushing Type

(Pulses/Rotation)	Type	Detent torque	Model	Order No.	Dimensions insertion page and No.
12/360°	Vertical type	Standard detent	EC12E12208	EC12E122○8F○○	P.150-3
		Light detent	EC12E12508	EC12E125○8F○○	
		JOG detent	EC12E12408	EC12E124○8F○○	
Standard detent		EC12E24208	EC12E242○8F○○		
Light detent		EC12E24508	EC12E245○8F○○		
Audio feeling		EC12E24308	EC12E243○8F○○		

### 注記 Notes

1. When you will be placing your orders, please designate the order number accordingly. For designation of the mounting length and switch or not, select the corresponding symbols referring to the "Exemplary Indication of the Order Number" and add them to the "○" digits of the order number. Meanwhile, the variety with no order number, however, is handled separately.
2. Specifications other than the above should be according to the common specifications for 12, 16mm size insulated shaft encoder(P.154).
3. Nut and washer are not attached. please specify if required.

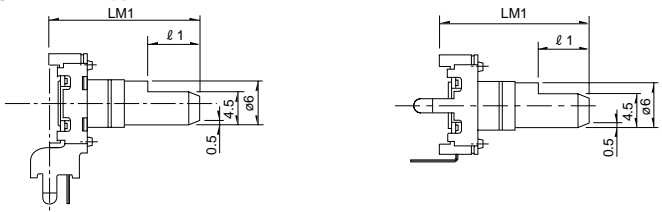
# 12mm Size Insulated Shaft Encoder

## Shaft Dimensions

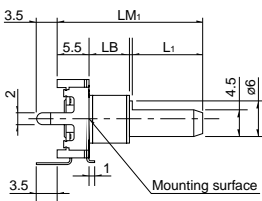
Flat Type

Unit : mm

● **With high collar type**



● **With bushing type**



**Detail dimensions/Order No.**

Order No.	LM <sub>1</sub>	l <sub>1</sub>
1B	17.5	5
20	20	7
2A	22.5	7
25	25	12
30	30	12

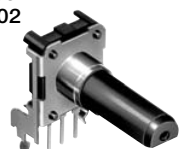
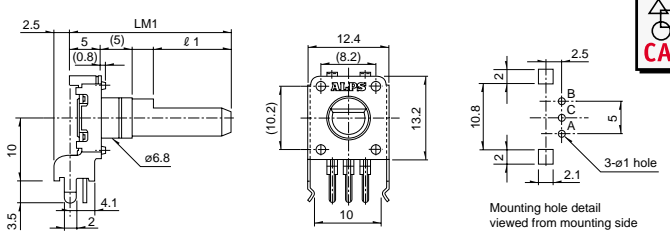

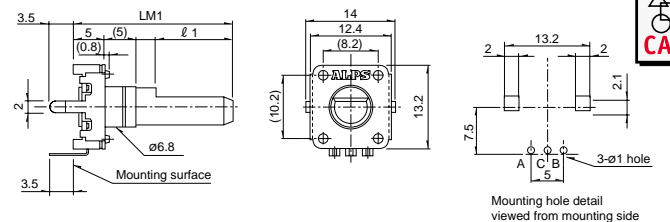

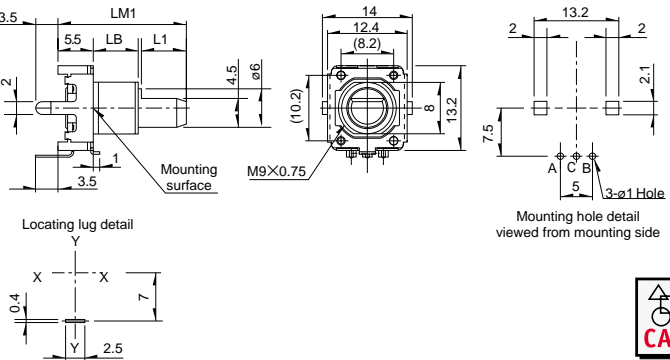
  

**Detail dimensions/Order No.**

Order No.	LM <sub>1</sub>	L <sub>B</sub>	l <sub>1</sub>
20	20	7	7
25	25	7	7
30	30	12	12
35	35	12	12

## Dimensions

Unit : mm

No.	Model	Dimension
1	<p>Horizontal type EC12E□□□02</p>  <p>Minimum packing unit 100 pcs.</p> <p>OVERSEAS PRODUCTS 2000</p>	 <p>CAD</p>
2	<p>Vertical type EC12E□□□04</p>  <p>Minimum packing unit 100 pcs.</p> <p>OVERSEAS PRODUCTS 2000</p>	 <p>CAD</p>
3	<p>Vertical type with bushing EC12E</p>  <p>Minimum packing unit 100 pcs.</p> <p>2000 NEWLY INSERTED</p> <p>OVERSEAS PRODUCTS 2000</p>	 <p>CAD</p>

注記  
Note

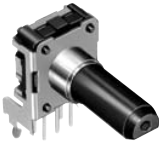

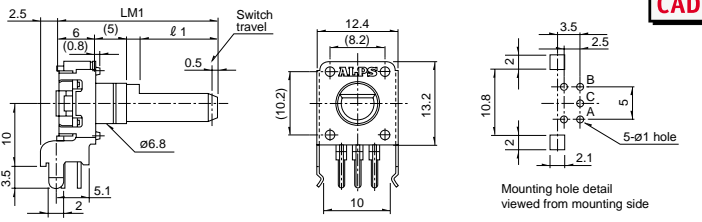


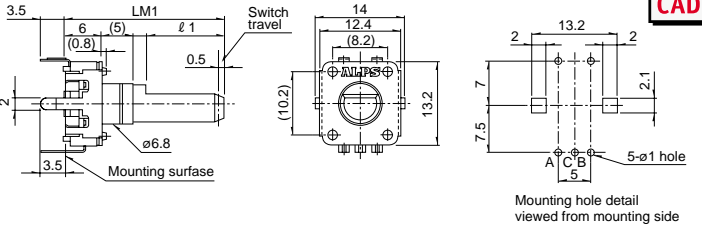

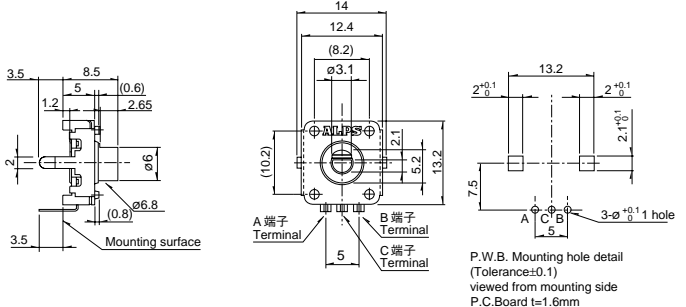


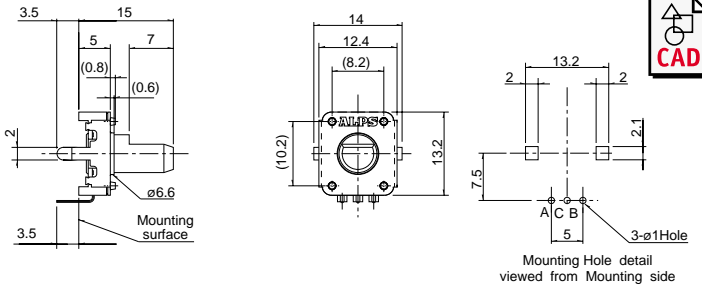


The products with this mark are produced in Japan and overseas. (Some products are produced overseas only.)

12mm Size Insulated Shaft Encoder

■ Dimensions

Unit : mm

No.	Model	Dimension
4	Horizontal type with push-on switch EC12E□□□42  Minimum packing unit 100 pcs. 	 CAD
5	Vertical type with push-on switch EC12E□□□44  Minimum packing unit 100 pcs. 	 CAD
6	Vertical type through shaft EC12E24203  Minimum packing unit 100 pcs.	 P.W.B. Mounting hole detail (Tolerance±0.1) viewed from mounting side P.C.Board t=1.6mm
7	Vertical type short shaft EC12E  Minimum packing unit 100 pcs. 	 CAD

**注記 Note**  The products with this mark are produced in Japan and overseas. (Some products are produced overseas only.)

Rotary Potentiometers

Slide Potentiometers

Timmer Potentiometers

Stick Controller

Rotary Encoders

Position Sensors