12mm Size Insulated Shaft Type Encoder Variety

EC12E Series

Insulated shaft type with a push-on switch and other features has a wide variety of applications.

Power

Push

Slide

Rotary

Encoders

Jog Shuttle

Telephone -hook

Detector

Vibration/ Tilt Sensors

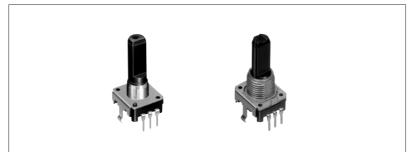
Package Type Multi Control

Devices

TACT

Incremental Type

Absolute Type





Features

- A 12mm sized unit achieved high resolution,12- pulse /12detent and 24 -pulse / 24 -detent.
- Used a new structure for the shaft and bushing, and achieved a high precision, responsive system.
- Also available with a 0.5mm push switch.
- Incremental type.

Applications

- Controls for image and sound devices, including DVD players, mini component stereos, CD players, portable audio players and monitors.
- Controls for audio mixers and electronic instruments.

Typical Specifications

Items	Specifications			
Rating (max.) (Resistive load)	5mA 5V DC			
Operating life	Without detent	15,000 cycles		
Operating me	Other	30,000 cycles		

Products Line With High Collar Type

Length of operating section (mm)	Detent torque	Number of detent	Resolution	Operating direction	Push-on switch	Travel of push-on switch (mm)	Minimum packing unit (pcs.)	Products No.	Drawing No.			
15								EC12E1220407	2			
20	Standard							EC12E1220406	1			
25	3 to 20 mN·m							EC12E1220405	'			
8.5 (Hollow shaft)	- 10 - 20 1111 111	12	12					EC12E1220301	3			
20								EC12E1240405	- 1			
25	Lightest (jog) 3±2 mN•m							EC12E1240406				
8.5 (Hollow shaft)				Vertice								
15		24	Vertical Without			1,200	EC12E24204A2	2				
20	Standard			vertical	vvitilout		1,200	EC12E24204A8	1			
25	3 to 20 mN·m							EC12E24204A9				
8.5 (Hollow shaft)			24	24			4					EC12E2420301
20		24	24	24	24			EC12E24404A8	1			
25	Lightest (jog) 3±2 mN•m							EC12E24404A6				
8.5 (Hollow shaft)								EC12E2440301	3			
20	Standard	Without						EC12E2430404	1			
25	25±15 mN∙m	VVILITOUL						EC12E2430401] '			

Products Line With Bushing Type

Length of operating section (mm)	Detent torque	Number of detent	Resolution	Operating direction	Push-on switch	Travel of push-on switch (mm)	Minimum packing unit (pcs.)	Products No.	Drawing No.					
20	20 Standard	12	12					EC12E1220801						
20		3 to 20 mN·m 24						EC12E2420802						
25	0 10 20 1111 111		24		24	24	24	Vertical	24	Vertical	Without		950	EC12E2420801
20	Standard	Standard		Without	\\/:thout	24						EC12E2430804		
25	25±15 mN∙m	vvitilout						EC12E2430803	1 I					

With Switch Type

Length of operating section (mm)	Detent torque	Number of detent	Resolution	Operating direction	Push-on switch	Travel of push-on switch (mm)	Minimum packing unit (pcs.)	Products No.	Drawing No.				
20	Standard							EC12E12244A3					
25	3 to 20 mN∙m	12	12					EC12E12244A4					
20	Lightest (jog) 3±2 mN·m	12	12					EC12E1244401					
25				Vor					Vertical	Vortical	ertical With	0.5	1,200
20	Standard			vertical	VVILII	0.5	1,200	EC12E2424407]				
25	3 to 20 mN∙m	3 to 20 mN·m	24	24					EC12E2424404				
20	Lightest (jog)	24	24					EC12E2444400					
25	3±2 mN∙m							EC12E24444A3					

Note

No nuts or washers attached. If necessary, contact us.

Dimensions Unit: mm

No.	mensions Model	Style	Unit : mm PC board mounting hole dimensions (Viewed from mounting face)
1		3.5 LM1 14 12.4 (8.2) (8	Viewed from mounting face) 2 13.2 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
2	Short shaft	3.5 15 14 12.4 (8.2) 7 (0.8) (0.6) 7 (0.6) 8 (13.2 2 13.2 2 13.2 2 10 10 10 10 10 10 10 10 10 10 10 10 10

ALPS

Power

Push

Slide

Rotary

Encoders
Jog
Shuttle

Telephone -hook

Detector

Vibration/ Tilt Sensors

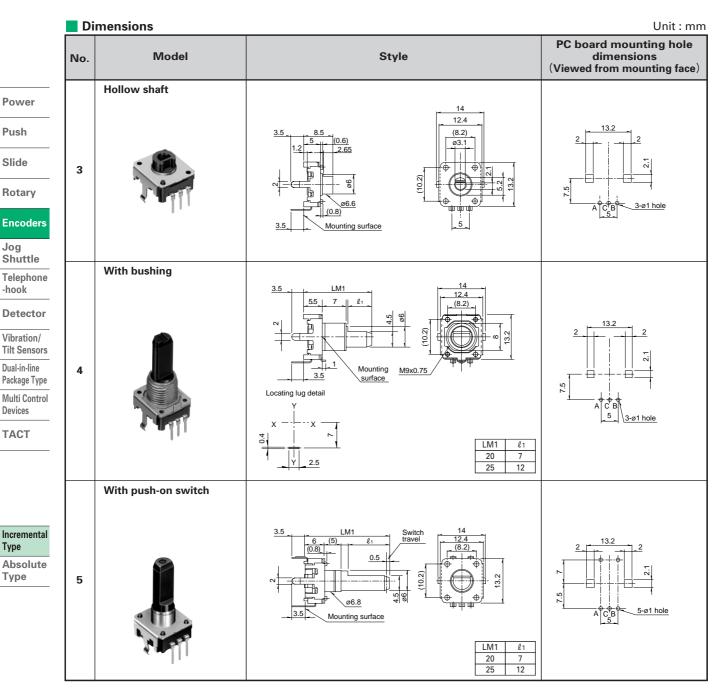
Dual-in-line Package Type Multi Control

Devices

TACT

Incremental Type

Absolute Type



Туре

Type

Jog

188

Variety

Shaft Dimensions

With high collar type

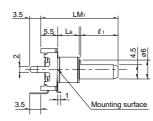
Flat Type Unit : mm

Vertical type

Detail dimensions

LM ₁	l 1
17.5	5
20	7
22.5	7
25	12
30	12

With bushing type



Detail dimensions

LM ₁	LB	l 1
20	7	7
25	7	12
30	12	12
35	12	12

Except 12 detent.

Power

Push

Slide

Rotary

Encoders

Jog Shuttle

Telephone -hook

Detector

Vibration/ Tilt Sensors Dual-in-line

Package Type Multi Control

Devices

TACT

Incremental Type

Absolute Type