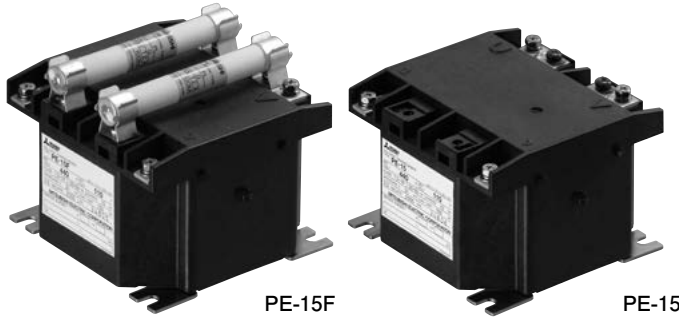


# 5-2 Voltage Transformers (Unearthed Type)

## PE Series Voltage Transformers (less than or equal to 440V)

PE-15F/PE-15/PE-50F/PE-50    15VA/Class 1.0/Class 1P  
50VA/Class 3.0/Class 3P

Double mold



### Use

- General-use meters/Relays

### Specifications

Applicable standards: JIS C 1731-2/JEC-1201-2007

Type	Voltage transformation ratio (V)	Rated burden (VA)	Accuracy (class)	Withstand voltage (kV)	VT fuse		Frequency (Hz)	Limit output (VA) *1	External dimensions	Mass (kg)		
					Model name	Rating						
PE-15F (with fuse)	220/110	15	1.0·1P	2/-	PL-G	0.6kV T2A 100kA	Both 50/60	100	Fig. 1	3.5		
	440/110			3/-							Fig. 2	3.5
PE-15	220/110	15	1.0·1P	2/-	-	-			Both 50/60	100		
	440/110			3/-							Fig. 2	3.5
PE-50F (with fuse)	220/110	50	3.0·3P	2/-	PL-G	0.6kV T2A 100kA	Both 50/60	100				
	440/110			3/-							Fig. 2	3.5
PE-50	220/110	50	3.0·3P	2/-	-	-			Both 50/60	100		
	440/110			3/-							Fig. 2	3.5

Notes

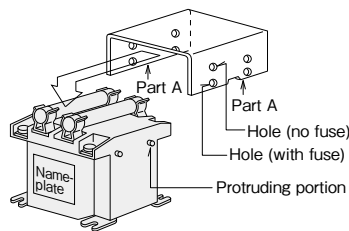
\*1 If the limiting load is 100A, the error is less than or equal to minus 5%.

\*2 Withstand voltage value indicates commercial power frequency withstand voltage/lightning impulse withstand voltage.

Remark: A transparent insulation cover (model name: ISC (for PE)) can be attached to cover the terminal and fuse sections (option: to be purchased separately).

### ● Insulation cover mounting instructions

Spread part A of the insulation cover outward slightly and place the mounting hole of the insulation cover over the protruding portion of the transformer.



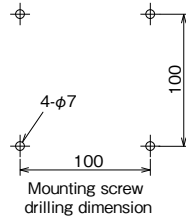
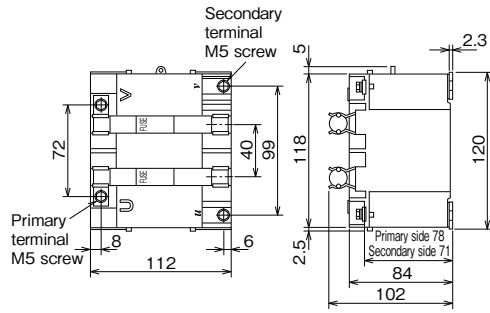
### ● Special transformation ratio range manufactured

Type	Voltage range manufactured (V)	
	Primary voltage	Secondary voltage
PE-15F	190 to 550	100 to 220
PE-50F	$\frac{380}{\sqrt{3}}$ to $\frac{480}{\sqrt{3}}$	
PE-15	63.5 to 550	$\frac{100}{\sqrt{3}}$ to $\frac{120}{\sqrt{3}}$
PE-50	$\frac{100}{\sqrt{3}}$ to $\frac{480}{\sqrt{3}}$	

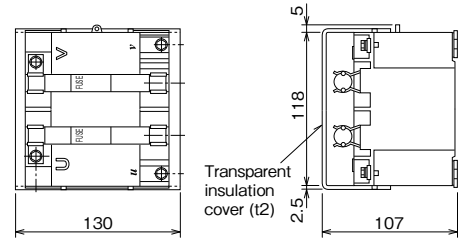
Note: For withstand voltage values of specialty transformation ratios, refer to Guidelines for Selecting Voltage Transformers on page 12.

## External Dimensions

Fig. 1 PE-15F and PE-50F

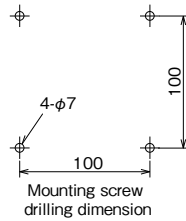
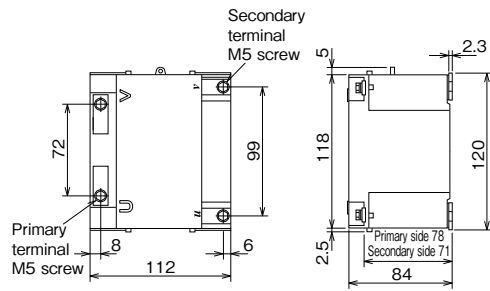


Insulation cover mounted

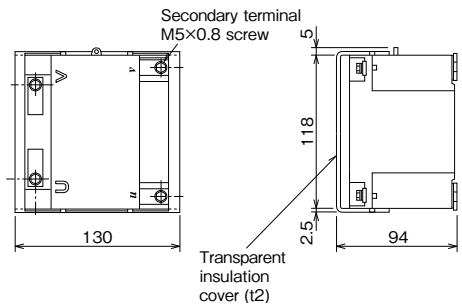


Insulation cover: IS-C (for PE)

Fig. 2 PE-15 and PE-50



Insulation cover mounted



Insulation cover: IS-C (for PE)