PD Series Voltage Transformers (less than or equal to 6600V)

PD-50H/PD-50HF 50VA/Class 1.0/Class 1P
PD-100H/PD-100HF 100VA/Class 1.0/Class 1P

Epoxy resin 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) *2	External dimensions	Mass (kg)
					Model name	Rating				
PD-50H	220/110	50	1.0・1P	2/—	—	—	Both 50/60	200	Fig.1	8.5
	440/110			3/—						
PD-50HF (with fuse)	220/110			2/—	PL-G	0.6kV T2A 100kA			Fig.2	8.5
	440/110			3/—						
	3300/110			16/45	PL-G	7.2/3.6kV T1A 40kA				
	6600/110			22/60						
PD-100H	220/110	100	1.0・1P	2/—	—	—	Both 50/60	200	Fig.1	8.5
	440/110			3/—						
PD-100HF (with fuse)	220/110			2/—	PL-G	0.6kV T2A 100kA			Fig.2	8.5
	440/110			3/—						
	3300/110			16/45	PL-G	7.2/3.6kV T1A 40kA				
	6600/110			22/60						

Notes

*1 Mitsubishi Electric does not manufacture no-fuse voltage transformers with voltage transformation ratios of 3300/110V or 6600/110V.

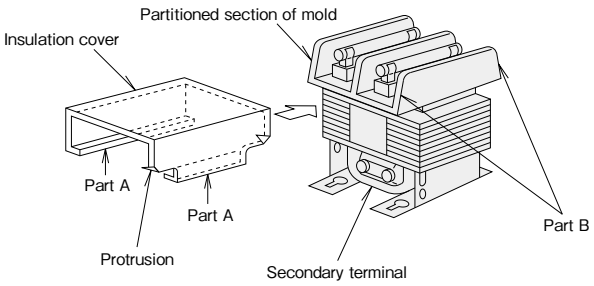
*2 If the limiting load is 200VA, the error is less than or equal to minus 5%.

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

Remark: A transparent insulation cover (model name: IS-C (for PD)) 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 insert it into the partitioned section of the mold from the secondary terminal side. The protruding section that attaches to part B prevents the cover from coming off the voltage transformer.



●Special transformation ratio range manufactured

Type	Voltage range manufactured (V)	
	Primary voltage	Secondary voltage
PD-50H PD-100H	100 to 600 $\frac{200}{\sqrt{3}}$ to $\frac{480}{\sqrt{3}}$	100 to 220 $\frac{380}{\sqrt{3}}$ to $\frac{480}{\sqrt{3}}$
PD-50HF PD-100HF	200 to 6600 $\frac{380}{\sqrt{3}}$ to $\frac{480}{\sqrt{3}}$	

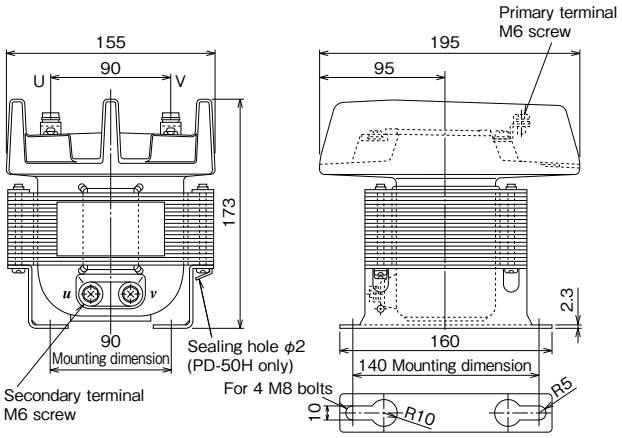
Notes

*1 PD-50H and PD-50HF have ratings of $\frac{440}{\sqrt{3}}$V and $\frac{110}{\sqrt{3}}$V, respectively, with a verification value of 15VA. (The verifiable usage load is 1 to 12VA.)

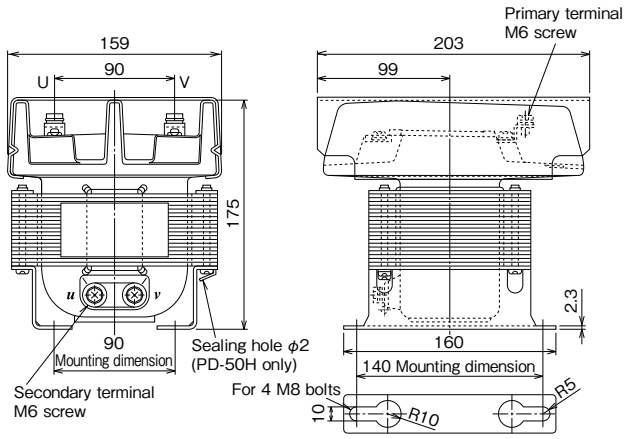
*2 For the withstand voltage values of special transformation ratio, refer to Guidelines for Selecting Voltage Transformers on page 12.

External Dimensions

Fig. 1 PD-50H and PD-100H

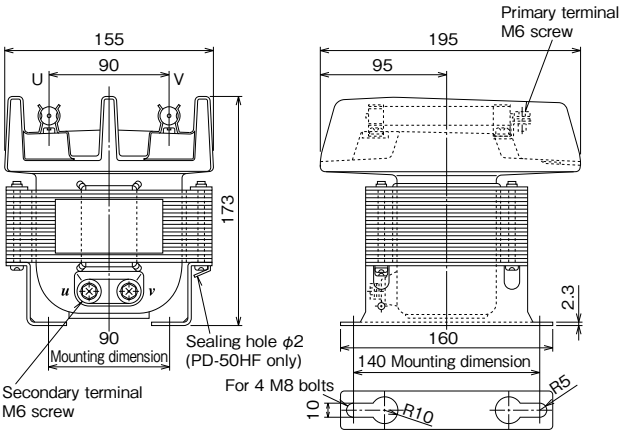


Insulation cover mounted

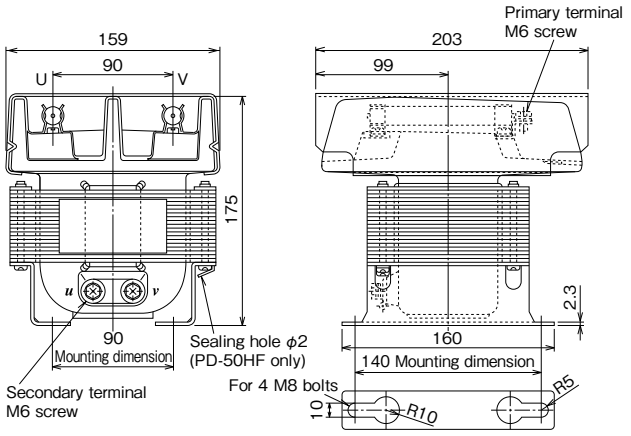


Insulation cover: IS-C (for PD)

Fig. 2 PD-50HF and PD-100HF



Insulation cover mounted



Insulation cover: IS-C (for PD)