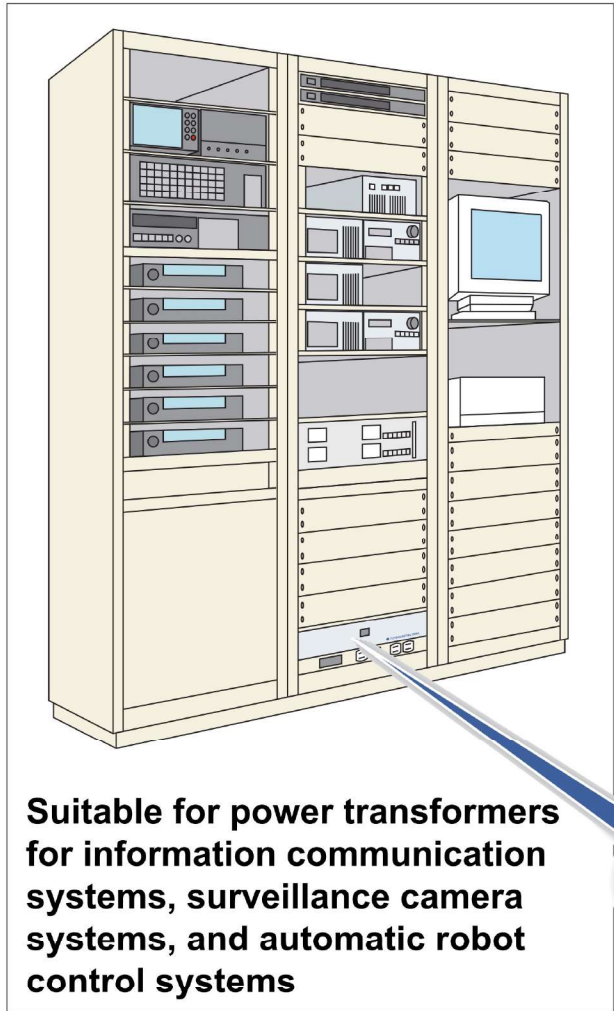


SIT

[Surge Isolation Transformer]

Rack storage type

TRM Series



Suitable for power transformers for information communication systems, surveillance camera systems, and automatic robot control systems



Cut the surge attach!!

Best match for 19-inch racks

Products compliant with both JIS and EIA standards

Higher level of protective property is offered

●Attenuates lightning surge voltage in common mode entered from the input side to 1/1000 (-60dB) or less.

Realization of ultra-thin rack mount type

●0.5kVA and 1kVA : 2U (88mm)

●2kVA : 3U (132mm)

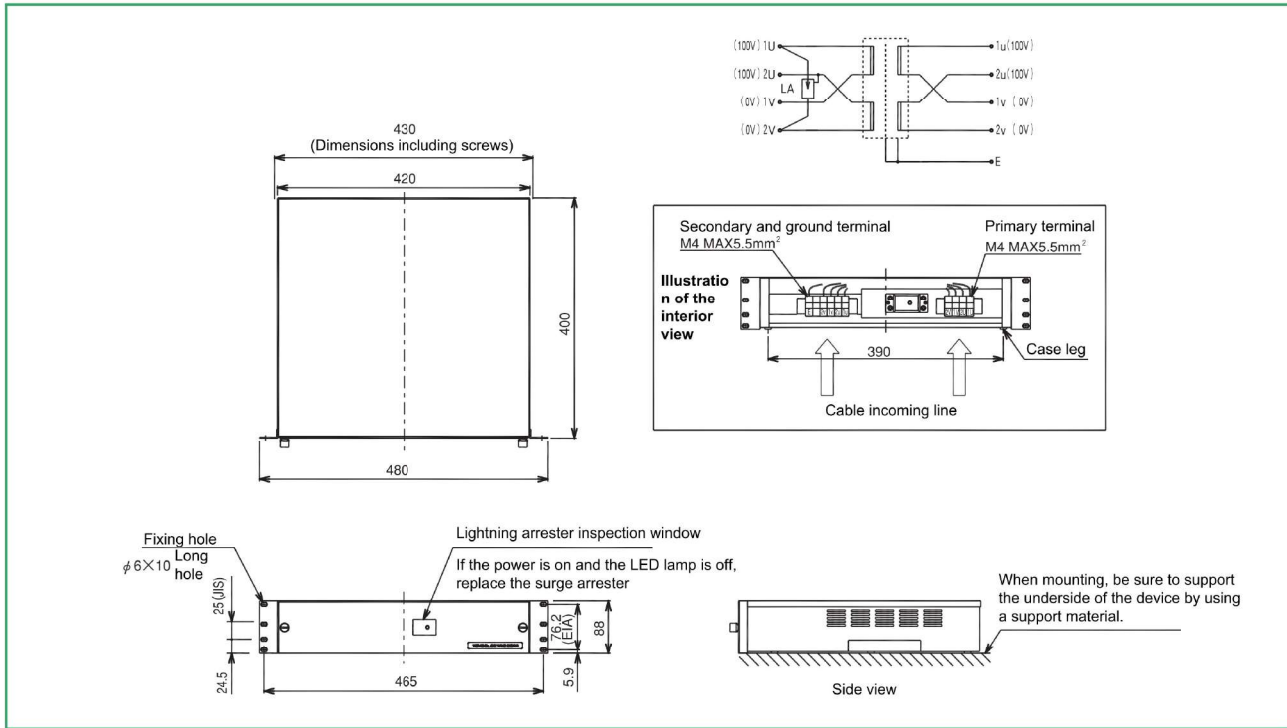


■Specification

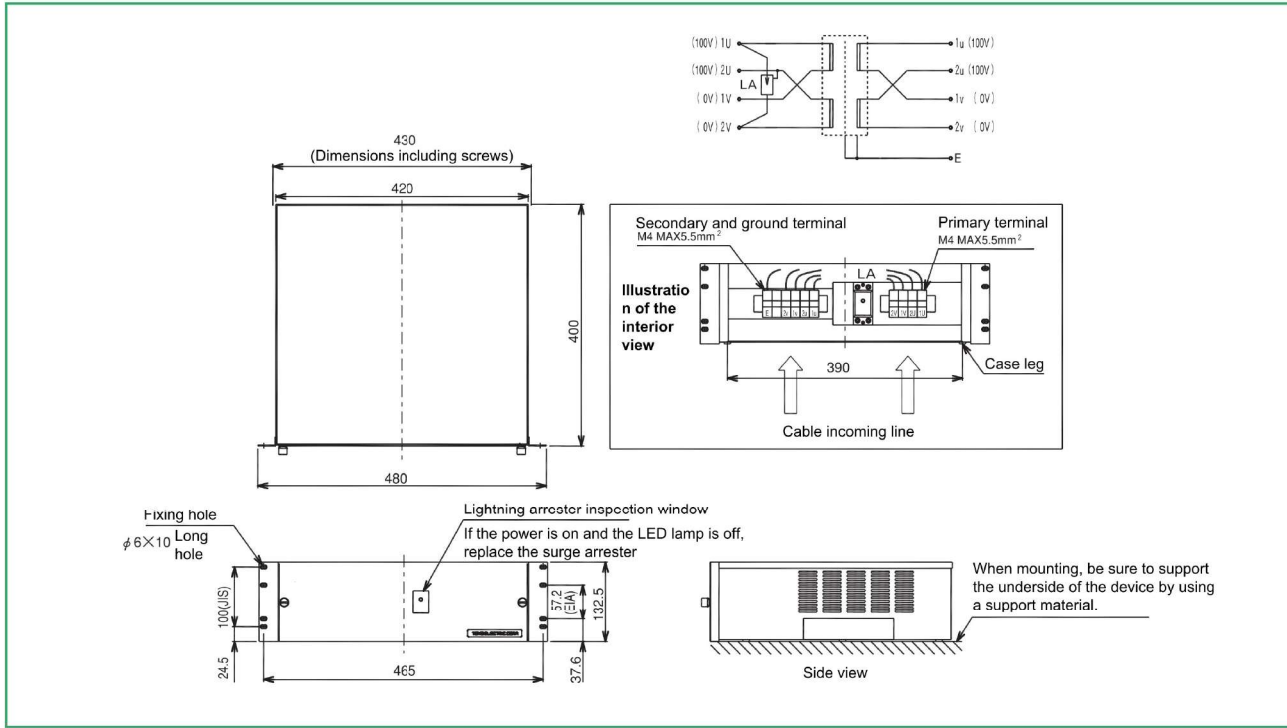
Number of phase		Single-phase			
Frequency [Hz]		50 / 60			
Capacity [kVA]		0.5	1	2	3
Model		TRM-050	TRM-100	TRM-200	TRM-300
Unit Size		2U(2J)		3U(3J)	
Primary(Pri.) voltage		200(100) [Series-parallel switching]			
Secondary(Sec.) voltage		200(100) [Series-parallel switching]			
Rated use		Continuous			
Temperature rise limit (K)		75			
Voltage fluctuation		5% or less	4% or less	3% or less	
Efficiency		93% or more	94% or more	95% or more	96% or more
Inrush currents		15 Times			
Insulation strength	Between input - output / earth	AC 10kV (1 min)			
	Between output - earth	AC 3kV (1 min)			
Lightning impulse withstand voltage	Between input - output / earth	30kV(1.2/50μS)			
	Between output - earth	10kV(1.2/50μS)			
Surge transfer rate		Common mode : -60dB or less			
Total mass		24kg	29kg	41kg	56kg
Paint color		Standard color : Munsell 5Y7/1 semi-gloss			

Outline drawing / Connection diagram

■0.5kVA, 1kVA



■2kVA, 3kVA



■Connection terminal

Pri. terminal	Terminal	Connection
Used with 100V	1U, 2V	1U-2U 1V-2V
Used with 200V	1U, 2V	2U-1V

Sec. terminal	Terminal	Connection
Used with 100V	1u, 2v	1u-2u 1v-2v
Used with 200V	1u, 2v	2u-1v

Discharge withstand capacity of lightning arresting element

(Applied waveform 8/20μs)

LA	Number of applied times
	Once

※Can be used as 200/100V (Single-phase three-wire system).
[Neutral current is 2U, 1V terminal.]

When connecting cables to the primary and secondary terminals, use the shorting bar and perform series-parallel switching