



AC Power Line Surge Protector

BWZ-4, BWZ-5
R·A·V- BXZ-4, BXZ-5 SERIES

SURGE PROTECTIVE DEVICES

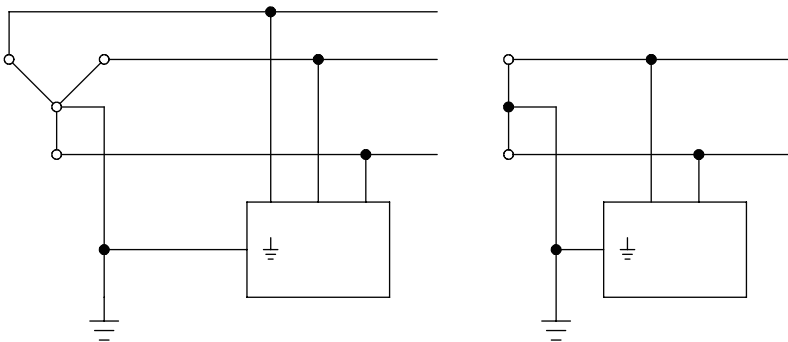


Features

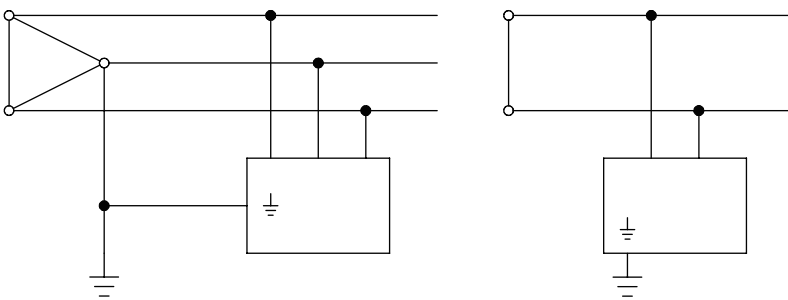
- These models are specifically designed for use in AC power line applications which may require European (CE) mark.
- They are designed for use in single and three-phase applications for protection against “common mode” noise transient surges.
- Three-phase application include Delta and Y connections to AC500V.

Circuit

- Y connection

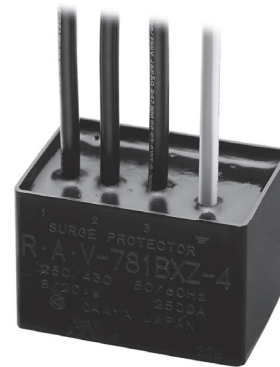


- Δ connection



Safety Standard		File No.*
UL	:UL1449	E322107
cUL	:C22.2 No.269.5	

* File No. may be revised without notice. Please contact us at the time of your request for certifications.



Y connection -	
1 φ ~ AC500V (line voltage)	: R·A·V-781BWZ-4
3 φ ~ AC415V (line voltage)	: R·A·V-781BXZ-4
3 φ ~ AC480V (line voltage)	: R·A·V-801BXZ-4

Δ connection -	
1 φ ~ AC250V (line voltage)	: R·A·V-781BWZ-4
3 φ ~ AC240V (line voltage)	: R·A·V-781BXZ-4
3 φ ~ AC250V (line voltage)	: R·A·V-801BXZ-4

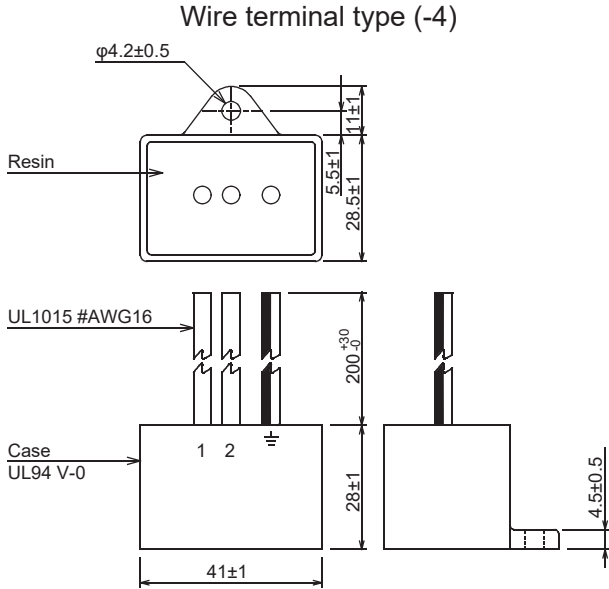
Electrical Specifications

Safety Standard	Model Number	Rated Voltage		Power Frequency Sparkover Voltage U_a (V) $\pm 20\%$	Nominal Discharge Current ins 8/20 μ s (A)	Max. Standard lightning Impulse Sparkover Voltage u_s 1.2/50 μ s (V)	Max. Sparkover Voltage at front of wave lighting Impulse u_{sa} 10,000V/ μ s (V)	Max. Residual Voltage u_r 8/20 μ s-2,500A (V)
		Δ connection L-L, L- \perp	Y connection L-L, L- \perp					
cUL [®] US	R·A·V-781BWZ-4	AC250V	AC250/500V	700	2,500	2,000	3,000	2,000
	R·A·V-781BWZ-5							
	R·A·V-781BXZ-4	AC240V	AC240/415V					
	R·A·V-781BXZ-5							
	R·A·V-801BXZ-4	AC250V	AC277/480V	800		2,320	3,480	2,320
	R·A·V-801BXZ-5							

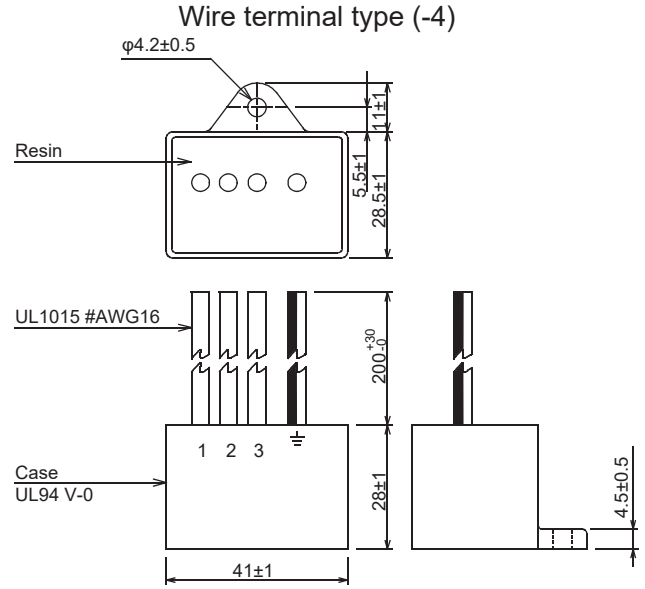
* R·A·V-□□□-4: Wire type, R·A·V-□□□-5: Lead type
Operating Temperature: -40~+70°C

● Dimensions

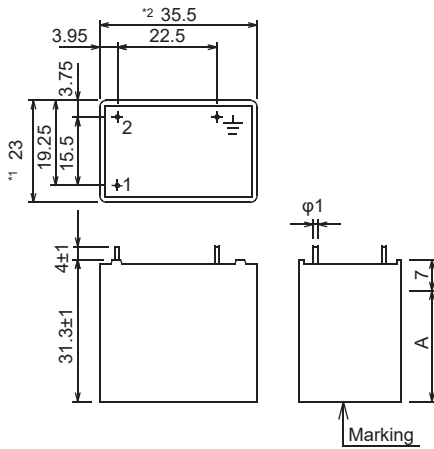
BWZ Series (Single-Phase)



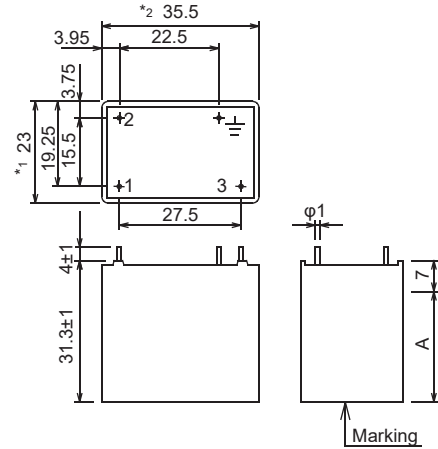
BXZ Series (Three-Phase)



Solder lead type (-5)



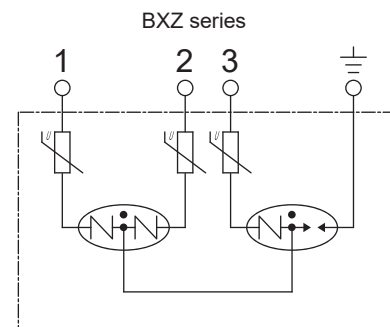
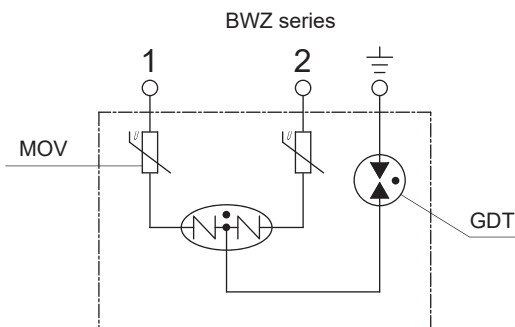
Solder lead type (-5)



(A, *1, *2: Tolerances ±0.5)

Unit: mm
Tolerances: ±1.0

● Circuit



GDT: Gas-filled discharge tubes
MOV: Metal oxide Varistors