

Transient Voltage Surge Suppressor

TVS Surge³ Series



Catalog Symbol: TVS (voltage) (ac or dc) (Diode or MOV)

Voltage Rating: 12Vdc, 24Vdc, 48Vdc
120Vac, 240Vdc

Agency Information: UL Recognized (UL 1449) for AC products
(UL 497B) for DC products
CSA Approved

Catalog Numbers :

TVS12DCD	TVS24DCD	TVS48DCD
TVS120ACD	TVS120ACM	TVS240ACD
TVS240ACM		

Material Specifications:

Suppressor: Case: 20% glass filled PES (Polyethersulfone)
Terminals: 110 Copper

Terminal Plating: Electroless tin

Holder: Case: 15% glass filled PBT (Polybutylene Terephthalate)

Interface Clips: CDA 7025

Interface Clip Plating: Electroless tin

Contact Lubricant: Fluoroether grease

Box Lug: Copper

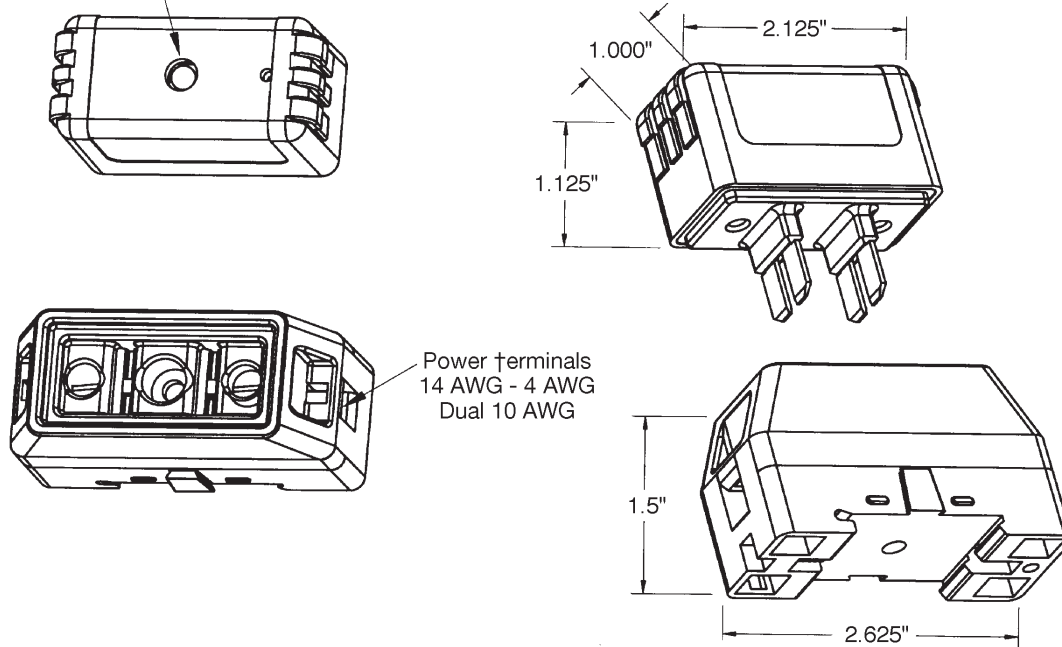
DIN Rail Springs: Stainless steel

Instructions and Specifications

Model	Voltage Application	MCOV	Technology	SVR 500A, 8x20 μ s	Surge Current Rating	UL	Label Color
TVS12DCD	12Vdc	14Vdc	SASD	36Vdc	2kA	UL497B	Red
TVS22DCD	24Vdc	28Vdc	SASD	58Vdc	2kA	UL497B	White
TVS48DCD	48Vdc	57Vdc	SASD	90Vdc	2kA	UL497B	Black
TVS120ACD	120Vac	140Vac	SASD	330Vac	7kA	UL1449	Blue
TVS120ACM	120Vac	140Vac	MOV	500Vac	18kA	UL1449	Grey
TVS240ACD	240Vac	280Vac	SASD	600Vac	7kA	UL1449	Blue
TVS240ACM	240Vac	280Vac	MOV	800Vac	18kA	UL1449	Grey

Status LED

OFF - Suppressor Non-Operational (power may be on)
GREEN - Suppressor Operational (power on)



Product Specifications:

1. All TVS devices have non-polarized electrical connections as shown.
2. Suppressor voltage characteristics per chart.
3. Suppressor to provide non-interrupted service.
4. Enclosure material is 94V0 flame and explosion resistant.
5. Product markings show manufacturer, part number and safety warnings as required.
6. Mechanical dimensions as noted.
7. Suppressor Status LED as shown.
8. AC units operate on either 50 or 60 Hz.

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