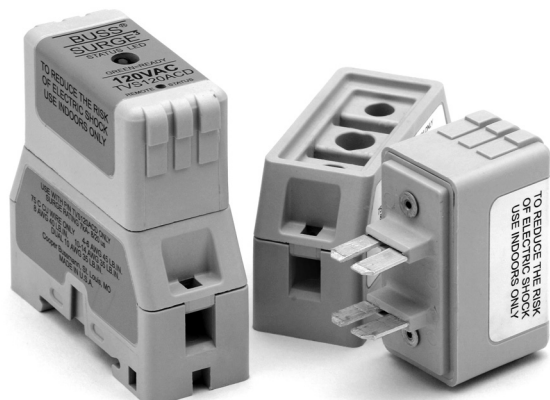


# Bussmann® Surge<sup>3</sup>™ Transient Voltage Surge Suppressor

TVS



**Catalog Symbol:** TVS (voltage) (ac or dc) (Diode or Mov)

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

**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

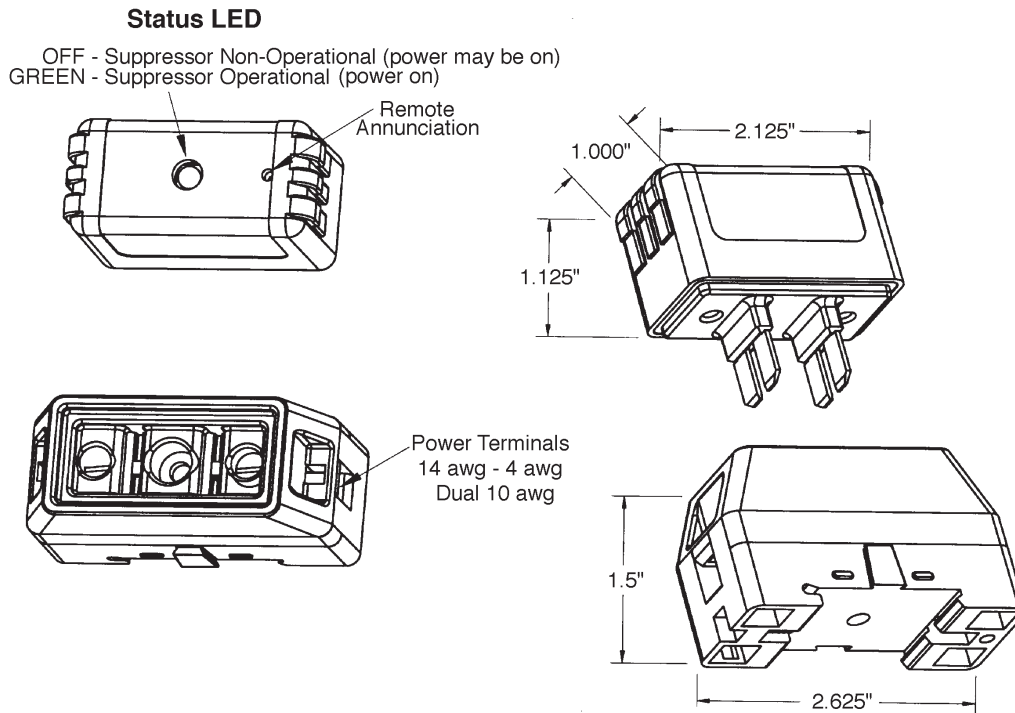
**Holder:** Case: 15% glass filled PBT (Polybutylene terephthalate)  
Interface Clips: CDA 7025  
Interface Clip Plating: Electroless Tin  
Contact Lubricant: Fluoroether Grease  
Box Lug: Copper  
Din Rail Springs: Stainless Steel

#### Instructions and Specifications: Surge<sup>3</sup> Surge Suppressor

Model	Voltage Application*	MCOV	Technology	SVR 500A, 8x20µs	Surge Current Rating	UL	Label Color
TVS12DCD	12Vdc	14Vdc	SASD	36Vdc	2kA	UL497B	Red
TVS24DCD	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	Blue
TVS240ACD	240Vac	280Vac	SASD	600Vac	7kA	UL1449	Grey
TVS240ACM	240Vac	280Vac	MOV	800Vac	18kA	UL1449	Grey

# Bussmann® Surge<sup>3</sup>™ Transient Voltage Surge Suppressor

TVS



## Product Specifications:

1. All TVSS 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 94VO 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. Remote Suppressor Status contact face as shown, (contact pin provided), Live Electrical Power When TVSS Energized. *(Not available on 240V).*
9. AC units operate on either 50 or 60 Hz.