

SPXV SERIES SOLAR FUSE

1500 Vdc • 6 – 30 A



Description

The Littelfuse SPXV solar string fuse is designed specifically for 6-30 A 1500 Vdc applications.

Features/Benefits

- 10 x 85 mm package size
- UL 2579 Listed
- Meets IEC 60269-6 electrical performance requirements
- 30,000 A interrupting rating

Applications

- Inverters
- Combiner boxes

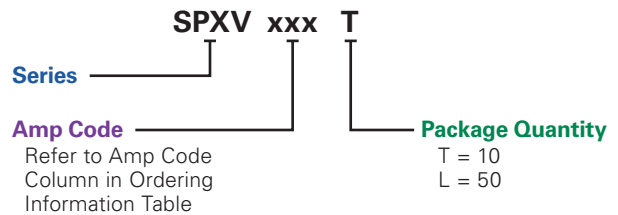
Web Resources

Download technical resources at:
littelfuse.com/spxv

Specifications

Voltage Rating	1500 Vdc
Amperage Rating	6, 8, 10, 12, 15, 20, 25, 30 A
Interrupting Rating	15 kA (UL 2579) 30 kA (Self-Certified)
Time Constant	≤ 1ms
Material	Body: Melamine Caps: Copper Alloy (Nickel Plated)
Approvals	UL 2579 Listed (File: E339112)
Environmental	RoHS Compliant REACH
Country of Origin	Mexico

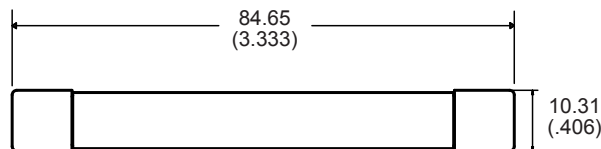
Part Numbering System



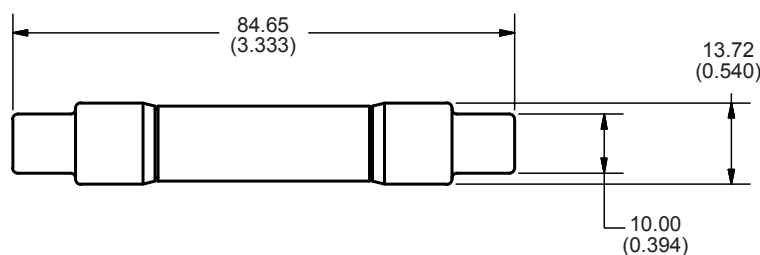
SERIES	AMP	PACKAGE QUANTITY	CATALOG NUMBER	ORDERING NUMBER
SPXV	6	10	SPXV006	SPXV006.T
SPXV	20	50	SPXV020	SPXV020.L

Dimensions mm (inches)

6 – 20 A



25 – 30 A



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Ordering Information

SERIES	AMPERAGE	AMP CODE	CATALOG NUMBER	PACK QUANTITY	ORDERING NUMBER	UPC
SPXV	6	006.	SPXV006	10	SPXV006.T	07945880812
				50	SPXV006.L	07945880811
SPXV	8	008.	SPXV008	10	SPXV008.T	07945880814
				50	SPXV008.L	07945880813
SPXV	10	010.	SPXV010	10	SPXV010.T	07945880816
				50	SPXV010.L	07945880815
SPXV	12	012.	SPXV012	10	SPXV012.T	07945880818
				50	SPXV012.L	07945880817
SPXV	15	015.	SPXV015	10	SPXV015.T	07945880820
				50	SPXV015.L	07945880819
SPXV	20	020.	SPXV020	10	SPXV020.T	07945880822
				50	SPXV020.L	07945880821
SPXV	25	025.	SPXV025	10	SPXV025.T	07945880824
				50	SPXV025.L	07945880823
SPXV	30	030.	SPXV030	10	SPXV030.T	07945880826
				50	SPXV030.L	07945880825

Electrical Specifications

AMPERAGE	VOLTAGE	INTERRUPTING RATING		NOM COLD RESISTANCE (ohm)	WATTS LOSS AT 100% RATED CURRENT (W)	WATTS LOSS AT 80% RATED CURRENT (W)	MELTING I ² t (A ² s) 15 kA (1500Vdc)	TOTAL CLEARING I ² t (A ² s) 15 kA (1500 Vdc)
	DC	AC	DC*					
6	1500	–	30 kA	0.0576	3.05	1.71	49	75
8	1500	–	30 kA	0.0349	3.26	1.84	121	214
10	1500	–	30 kA	0.0223	3.25	1.82	407	509
12	1500	–	30 kA	0.0163	3.34	1.89	798	951
15	1500	–	30 kA	0.0131	5.27	3.05	299	637
20	1500	–	30 kA	0.0085	5.38	3.14	701	1464
25	1500	–	30 kA	0.0064	5.64	3.18	2671	3202
30	1500	–	30 kA	0.0052	7.16	3.93	3770	4692

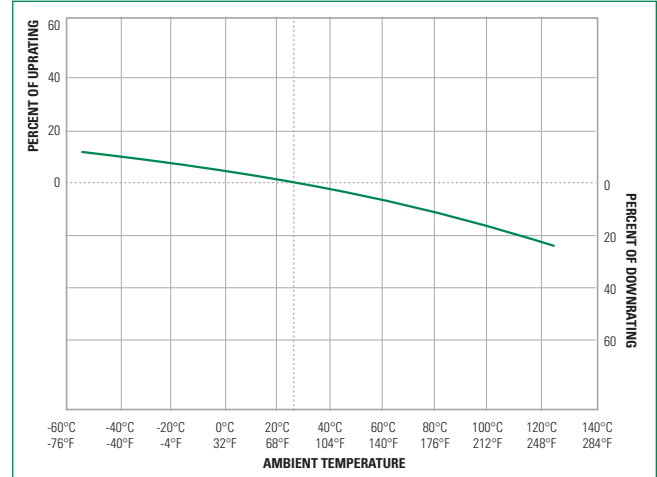
* 15 kA per UL 2579

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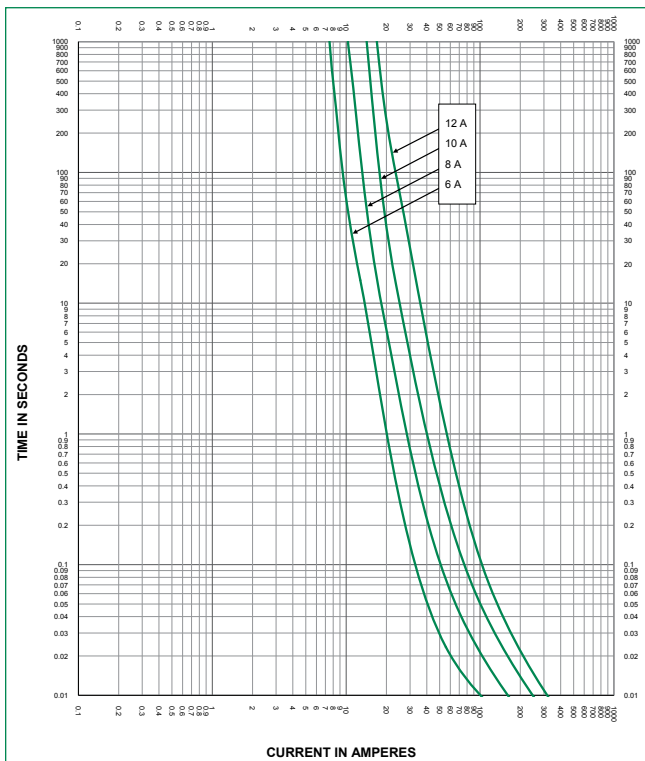
Electrical Specification — Agency Requirements

AMPERAGE RATING	OPENING TIME (MINUTES)				
	100% of Amp Rating per UL	113% of Amp Rating per IEC	135% of Amp Rating per UL	145% of Amp Rating per IEC	200% of Amp Rating per UL
6-30	Temperature Stabilization	60 Min	60 Max	60 Max	4 Max

Temperature Derating Curve (Temperature of Air Immediately Surrounding Fuse)



Time Current Curve (6-12 A)



Time Current Curve (15-30 A)

