

# VZCA.E320116 - Surge-protective Devices

## Surge-protective Devices

**LITTELFUSE INC**

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E320116

Cat. No.	SPD Type	Volts (V)	AC/DC/ DC PV	PH	AMPS (A)	AMB Min (°C)	AMB Max (°C)	AMB MODE	VPR (Vpk)	MCOV (V)	In (kA)	SCCR (kA)
<b>Permanently Connected</b>												
<b>SPDN-A120-1P [a]</b>	2	120	AC	1	n/a	-40	85	L-N L-G N-G	700 700 700	180 180 180	20	200
<b>SPDN-A120-2S [a]</b>	2	240/120	AC	1S	n/a	-40	85	L-L L-N L-G N-G	1200 700 700 700	360 180 180 180	20	200
<b>SPDN-A120-3Y [a]</b>	2	208/120	AC	3Y	n/a	-40	85	L-L L-N L-G N-G	1200 700 700 600	300 150 150 150	20	200
<b>SPDN-A240-1P [a]</b>	2	240	AC	1	n/a	-40	85	L-N L-G N-G	1200 1200 1200	350 350 350	20	200
<b>SPDN-A240-3D [a]</b>	2	240	AC	3D	n/a	-40	85	L-L L-G	1200 1000	275 275	20	200
<b>SPDN-A277-3Y [a]</b>	2	480/277	AC	3Y	n/a	-40	85	L-L L-N L-G N-G	2500 1200 1200 1200	700 350 350 350	20	200
<b>SPDN-A480-3D [a]</b>	2	480	AC	3D	n/a	-40	85	L-L L-G	1800 1800	550 550	20	200
<b>SPDN-B120-1P [a]</b>	1	120	AC	1	n/a	-35	85	L-N L-G N-G	700 700 600	180 180 180	20	200
<b>SPDN-B120-2S [a]</b>	1	240/120	AC	1S	n/a	-35	85	L-L L-N L-G N-G	1200 700 700 600	360 180 180 180	20	200

<b>SPDN-B120-3Y [a]</b>	1	208/120	AC	3Y	n/a	-35	85	L-L L-N L-G N-G	1000 600 700 500	300 150 150 150	20	200
<b>SPDN-B240-1P [a]</b>	1	240	AC	1	n/a	-35	85	L-N L-G N-G	1200 1000 1000	350 350 350	20	200
<b>SPDN-B240-3D [a]</b>	1	240	AC	3D	n/a	-35	85	L-L L-G	1200 1000	275 275	20	200
<b>SPDN-B277-3Y [a]</b>	1	480/277	AC	3Y	n/a	-35	85	L-L L-N L-G N-G	2000 1200 1000 1000	700 350 350 350	20	200
<b>SPDN-B480-3D [a]</b>	1	480	AC	3D	n/a	-35	85	L-L L-G	1800 1800	550 550	20	200
<b>SPDN-C120-1P [a]</b>	1	120	AC	1	n/a	-35	85	L-N L-G N-G	700 1200 600	180 180 180	20	200
<b>SPDN-C120-2S [a]</b>	1	240/120	AC	1S	n/a	-35	85	L-L L-N L-G N-G	1200 700 1200 600	360 180 180 180	20	200
<b>SPDN-C120-3Y [a]</b>	1	208/120	AC	3Y	n/a	-35	85	L-L L-N L-G N-G	1000 600 1000 600	300 150 150 150	20	200
<b>SPDN-C240-1P [a]</b>	1	240	AC	1	n/a	-35	85	L-N L-G N-G	1200 2500 1000	350 350 350	20	200
<b>SPDN-C240-3D [a]</b>	1	240	AC	3D	n/a	-35	85	L-L L-G	1200 1200	275 275	20	200
<b>SPDN-C277-3Y [a]</b>	1	480/277	AC	3Y	n/a	-35	85	L-L L-N L-G N-G	2000 1200 2500 1000	700 350 350 350	20	200
<b>SPDN-C480-3D [a]</b>	1	480	AC	3D	n/a	-35	85	L-L L-G	1800 1800	550 550	20	200
<b>SPDN-D120-1P [a]</b>	1	120	AC	1	n/a	-35	85	L-N L-G N-G	700 1200 600	180 180 180	20	200
<b>SPDN-D120-2S [a]</b>	1	240/120	AC	1S	n/a	-35	85	L-L L-N L-G N-G	1200 700 1200 600	360 180 180 180	20	200

<b>SPDN-D120-3Y [a]</b>	1	208/120	AC	3Y	n/a	-35	85	L-L L-N L-G N-G	1000 600 1000 600	300 150 150 150	20	200
<b>SPDN-D240-1P [a]</b>	1	240	AC	1	n/a	-35	85	L-N L-G N-G	1200 2000 1200	350 350 350	20	200
<b>SPDN-D240-2S [a]</b>	1	480/240	AC	1S	n/a	-35	85	L-L L-N L-G N-G	2000 1200 2000 1200	700 350 350 350	20	200
<b>SPDN-D277-3Y [a]</b>	1	480/277	AC	3Y	n/a	-35	85	L-L L-N L-G N-G	2000 1200 2000 1200	700 350 350 350	20	200

These products are intended for installation on the line side (Type 1 SPD) or load side (Type 1, 2 or 3 SPDs) of the main service disconnect in circuits not exceeding 1000 V rms, and have been tested to verify that the transient-voltage surges are limited to the maximum amplitudes specified in the Voltage Protection Rating (VPR).

SPDs investigated for Type 1 applications are automatically suitable for Type 2 applications and may be marked for SPD Type 1 and/or Type 2 applications. SPDs only marked "SPD Type 2" are not suitable for Type 1 applications.

The effect of the surge-protective device on connected loads, the effect of the protector on harmonic distortion of the supply voltage, and the adequacy of the Voltage Protection Rating to protect connected equipment from damage from transient-voltage surges has not been determined.

SPDs investigated for Type 1 applications are automatically suitable for Type 2 applications and may be marked for SPD Type 1 and/or Type 2 applications. SPDs only marked "SPD Type 2" are not suitable for Type 1 applications.

Where a minimum ambient temperature is not specified, assume 0°C unless the product is marked otherwise or with an Outdoor use Environmental Rating. See Electrical Equipment for Use in Ordinary Locations (AALZ) for details regarding Environmental Ratings.

% - Complementary Listed as EMI filters under E316468.

Note - All models may be followed by additional suffixes.

[a] - Complementary Listed as EMI Filters under FOKY, FOKY7.

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