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Surge Protective Device
SPDN Cross Reference Guide



SPDN Series

Surge protective devices (SPDs) provide equipment protection from transient overvoltage events lasting micro-seconds. By limiting the overvoltage to the equipment during these events, costly damage and downtime can be mitigated.

The NEMA-style SPDN series for external panel mount is available for 120 V to 480 V nominal voltage sub-distribution board applications.

Please check all applicable specifications prior to making a product substitution or selection. For special applications or more complete information, visit **Littelfuse.com/SPDN** or contact us at **1-800-832-3873**.

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SPDN-A and SPDN-B Series

Series/Model	Littelfuse SPDN-A	Littelfuse SPDN-B	Schneider/ASCO 425	Eaton SPC	Mersen STXP	Southern Tier 450	Ilsco/SSI XE
Surge Current Ratings (per mode)	65 kA	65 kA	50 kA	100 kA	50 kA	25 kA	100 kA
SPD Technology	Pill Stack	Pill Stack	TPMOV	TPMOV	TPMOV	PTMOV	TPMOV
Nominal Discharge Current (8/20)	20 kA	20 kA	20 kA	20 kA	20 kA	20 kA	20 kA
UL 1449 SPD Type	Type 1 or 2	Type 1	Type 1	Type 1 or 2	Type 1	Type 2	Type 1 or Type 2
MCOV (120 V model)	150 V	150 V	150 V	150 V	150 V	150 V	150 V
VPR (L-N 120 V model)	700 V	700 V	700 V	700 V	700 V	700 V	700 V
Modes of Protection	All	All	All	All	All	All	All
SCCR	200 kA	200 kA	200 kA	200 kA	200 kA	200 kA	200 kA
Connection Type	Wired	Wired	Wired	Wired	Wired	Wired	Wired
Encloser Type (standard)	NEMA 4X	NEMA 4X	NEMA 4X	NEMA 4X	NEMA 4X	NEMA 4X	NEMA 4X
Indicator Lights	1 per phase	1 per phase	1 per phase	1 per phase	2 LEDs per phase	Single	1 per phase
Audible Alarm	Yes	Yes	Yes	Optional	Yes	No	Optional
Form C Dry Contacts	Yes	Yes	Yes	Optional	Yes	Yes	Optional
EMI/RFI Filtering	Optional	No	No	Optional	No	Yes	Optional
Ground Reference Monitoring	N-G Voltage > 20 V Detected	No	No	No	No	No	No



SPDN-C and SPDN-D Series

Series/Model	Littelfuse SPDN-C	Littelfuse SPDN-D	Schneider/ASCO 420	Mersen STXR	Ilsco/SSI SE	Citel M50
Surge Current Ratings (per mode)	50 kA	50 kA	50 kA	50 kA	100 kA	50 kA
SPD Technology	Pill Stack	Pill Stack	TPMOV	TPMOV	TPMOV	TMOV + GSG
Nominal Discharge Current (8/20)	20 kA	20 kA	20 kA	20 kA	20 kA	20 kA
UL 1449 SPD Type	Type 1	Type 1	Type 1	Type 1	Type 1 or Type 2	Type 1 or Type 2
MCOV (120 V model)	150 V	150 V	150 V	150 V	150 V	150 V
VPR (L-N 120 V model)	600 V	600 V	600 V	700 V	700 V	700 V
Modes of Protection	Reduced	Reduced	Reduced	Reduced	Reduced	Reduced
SCCR	200 kA	200 kA	200 kA	200 kA	200 kA	200 kA
Connection Type	Wired	Wired	Wired	Wired	Wired	Wired
Encloser Type (standard)	NEMA 4X	NEMA 4X	NEMA 4X	NEMA 4X	NEMA 4X	NEMA 6
Indicator Lights	1 per phase	1 per phase	Single	Single	Single	1 per phase
Audible Alarm	Yes	No	Yes	Optional	Optional	Yes
Form C Dry Contacts	Yes	No	Yes	Optional	Optional	No
EMI/RFI Filtering	No	No	No	No	Optional	Optional

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