

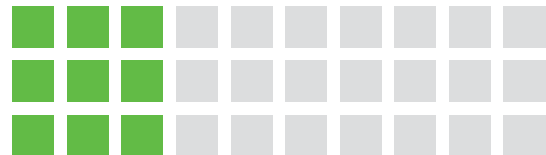


## SPDN Series

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.

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



## SPDN-A and SPDN-B Series

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



## SPDN-C and SPDN-D Series

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

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