



## **Standard Power Distribution Blocks With High Short-Circuit Current Ratings**

Littelfuse offers Power Distribution Blocks with high SCCR's in response to 2005 NEC 409 and UL 508A marking requirements for industrial control panels.

| POWER BLOCK DESCRIPTION |       |      |                                       |              | HIGH SCCR REQUIREMENTS                             |         |                                                                                          |               |                 |                |         |                     |                                   |
|-------------------------|-------|------|---------------------------------------|--------------|----------------------------------------------------|---------|------------------------------------------------------------------------------------------|---------------|-----------------|----------------|---------|---------------------|-----------------------------------|
| Littelfuse Catalog #    | Poles | Amps | Rated Wire Range (openings) kcmil/AWG |              | Conductor Size Required (kcmil/AWG) <sup>(2)</sup> |         | Overcurrent Protection Fuse Required Class / Part Number / Max Amp Rating <sup>(3)</sup> |               |                 |                |         |                     | SCCR, RMS SYM Amps <sup>(1)</sup> |
|                         |       |      | Line                                  | Load         | Line                                               | Load    | J                                                                                        | T             | RK1             | RK5            | G       | CC                  |                                   |
|                         |       |      |                                       |              |                                                    |         | JTD                                                                                      | JLLN, or JLLS | LLNRK, or LLSRK | FLNR, or FLRSR | SLC     | CCMR, KLDR, or KLKR |                                   |
| LS1300-1                | 1     | 115  | (1) 2 - 14                            | (1) 2 - 14   | 2 - 6                                              | 2 - 6   | 200                                                                                      | 200           | 200             | 100            | 60      | 30                  | 100,000                           |
| LS1300-2                | 2     |      |                                       |              | 8 - 10                                             | 8 - 10  | 100                                                                                      | 100           | 100             | -              | 60      | 30                  | 100,000                           |
| LS1300-3                | 3     |      |                                       |              |                                                    |         | 200                                                                                      | 200           | 200             | 100            | 60      | 30                  | 100,000                           |
| LS1300-4                | 4     |      |                                       |              |                                                    |         |                                                                                          |               | 200             | 100            | 60      | 30                  | 100,000                           |
| LD1400-1                | 1     | 115  | (1) 2 - 14                            | (4) 10 - 16  | 2 - 6                                              | 10 - 14 | 200                                                                                      | 200           | 200             | 100            | 60      | 30                  | 100,000                           |
| LD1400-2                | 2     |      |                                       |              | 10 - 8                                             | 10 - 14 | 100                                                                                      | 100           | 100             | -              | 60      | 30                  | 100,000                           |
| LD1400-3                | 3     |      |                                       |              |                                                    |         | 200                                                                                      | 200           | 200             | 100            | 60      | 30                  | 100,000                           |
| LD1400-4                | 4     |      |                                       |              |                                                    |         |                                                                                          |               | 200             | 100            | 60      | 30                  | 100,000                           |
| LD2570-1DIN             | 1     | 175  | (1) 2/0 - 14                          | (4) 4 - 14   | 2/0 - 6                                            | 4 - 14  | 200                                                                                      | 200           | 200             | 100            | 60      | 30                  | 100,000                           |
| LD2570-2DIN             | 2     |      |                                       |              | 200                                                | 200     | 200                                                                                      | 100           | 60              | 30             | 100,000 |                     |                                   |
| LD2570-3DIN             | 3     |      |                                       |              |                                                    |         | 200                                                                                      | 100           | 60              | 30             | 100,000 |                     |                                   |
| LS2572-1DIN             | 1     | 175  | (1) 2/0 - 14                          | (1) 2/0 - 14 | 2/0 - 6                                            | 2/0 - 6 | 200                                                                                      | 200           | 200             | 100            | 60      | 30                  | 100,000                           |
| LS2572-2DIN             | 2     |      |                                       |              | 200                                                | 200     | 200                                                                                      | 100           | 60              | 30             | 100,000 |                     |                                   |
| LS2572-3DIN             | 3     |      |                                       |              |                                                    |         | 200                                                                                      | 100           | 60              | 30             | 100,000 |                     |                                   |
| LD2580-1DIN             | 1     | 175  | (1) 2/0 - 14                          | (6) 4 - 14   | 2/0 - 6                                            | 4 - 14  | 200                                                                                      | 200           | 200             | 100            | 60      | 30                  | 100,000                           |
| LD2580-2DIN             | 2     |      |                                       |              | 200                                                | 200     | 200                                                                                      | 100           | 60              | 30             | 100,000 |                     |                                   |
| LD2580-3DIN             | 3     |      |                                       |              |                                                    |         | 200                                                                                      | 100           | 60              | 30             | 100,000 |                     |                                   |
| LD2970-1DIN             | 1     | 175  | (1) 2/0 - 14                          | (4) 4 - 14   | 2/0 - 6                                            | 4 - 14  | 200                                                                                      | 200           | 200             | 100            | 60      | 30                  | 100,000                           |
| LD2970-2DIN             | 2     |      |                                       |              | 200                                                | 200     | 200                                                                                      | 100           | 60              | 30             | 100,000 |                     |                                   |
| LD2970-3DIN             | 3     |      |                                       |              |                                                    |         | 200                                                                                      | 100           | 60              | 30             | 100,000 |                     |                                   |
| LD0401-2                | 2     | 175  | (1) 2/0 - 14                          | (6) 4 - 14   | 2/0 - 6                                            | 4 - 14  | 200                                                                                      | 200           | 200             | 100            | -       | 30                  | 200,000                           |
| LD0401-3                | 3     |      |                                       |              | 2/0 - 6                                            | 4 - 14  | -                                                                                        | -             | -               | -              | 60      | -                   | 100,000                           |
| LD0402-2                | 2     | 175  | (1) 2/0 - 14                          | (4) 4 - 14   | 2/0 - 6                                            | 4 - 14  | 200                                                                                      | 200           | 200             | 100            | 60      | 30                  | 100,000                           |
| LD0402-3                | 3     |      |                                       |              | 200                                                | 100     | 60                                                                                       | 30            | 100,000         |                |         |                     |                                   |
| LD2570-1                | 1     | 175  | (1) 2/0 - 14                          | (4) 4 - 14   | 2/0 - 6                                            | 4 - 14  | 200                                                                                      | 200           | 200             | 100            | 60      | 30                  | 100,000                           |
| LD2570-2                | 2     |      |                                       |              | 200                                                | 200     | 200                                                                                      | 100           | 60              | 30             | 100,000 |                     |                                   |
| LD2570-3                | 3     |      |                                       |              |                                                    |         | 200                                                                                      | 100           | 60              | 30             | 100,000 |                     |                                   |
| LD2970-1                | 1     | 175  | (1) 2/0 - 14                          | (4) 4 - 14   | 2/0 - 6                                            | 4 - 14  | 200                                                                                      | 200           | 200             | 100            | 60      | 30                  | 100,000                           |
| LD2970-2                | 2     |      |                                       |              | 200                                                | 200     | 200                                                                                      | 100           | 60              | 30             | 100,000 |                     |                                   |
| LD2970-3                | 3     |      |                                       |              |                                                    |         | 200                                                                                      | 100           | 60              | 30             | 100,000 |                     |                                   |
| LD0404-2                | 2     | 310  | (1) 350 - 6                           | (6) 4 - 14   | 350 - 3/0                                          | 4 - 8   | 400                                                                                      | 400           | 400             | 200            | -       | 30                  | 200,000                           |
|                         |       |      |                                       |              | 350 - 3/0                                          | 4 - 8   | 600                                                                                      | -             | -               | -              | 60      | -                   | 100,000                           |
|                         |       |      |                                       |              | 2/0 - 6                                            | 4 - 14  | 200                                                                                      | 200           | 200             | 100            | -       | 30                  | 200,000                           |
|                         |       |      |                                       |              | 2/0 - 6                                            | 4 - 14  | -                                                                                        | -             | -               | -              | 60      | -                   | 100,000                           |
| LD3552-1                | 1     | 335  | (1) 400 - 6                           | (4) 2 - 14   | 400 - 3/0                                          | 2 - 8   | 400                                                                                      | 400           | 400             | 100            | 60      | 30                  | 100,000                           |
| LD3552-2                | 2     |      |                                       |              | 200                                                | 200     | 200                                                                                      | 100           | 60              | 30             | 100,000 |                     |                                   |
| LD3552-3                | 3     |      |                                       |              |                                                    |         | 200                                                                                      | 100           | 60              | 30             | 100,000 |                     |                                   |

| POWER BLOCK DESCRIPTION |       |      |                                       |              | HIGH SCCR REQUIREMENTS                             |         |                                                                                          |               |                 |                |     |                     |                                   |
|-------------------------|-------|------|---------------------------------------|--------------|----------------------------------------------------|---------|------------------------------------------------------------------------------------------|---------------|-----------------|----------------|-----|---------------------|-----------------------------------|
| Littelfuse Catalog #    | Poles | Amps | Rated Wire Range (openings) kcmil/AWG |              | Conductor Size Required (kcmil/AWG) <sup>(2)</sup> |         | Overcurrent Protection Fuse Required Class / Part Number / Max Amp Rating <sup>(3)</sup> |               |                 |                |     |                     | SCCR, RMS SYM Amps <sup>(1)</sup> |
|                         |       |      |                                       |              |                                                    |         | J                                                                                        | T             | RK1             | RK5            | G   | CC                  |                                   |
|                         |       |      | Line                                  | Load         | Line                                               | Load    | JTD                                                                                      | JLLN, or JLLS | LLNRK, or LLSRK | FLNR, or FLRSR | SLC | CCMR, KLDR, or KLKR |                                   |
| LD3553-1                | 1     |      |                                       |              | 400 - 3/0                                          | 2 - 8   | 400                                                                                      | 400           | 400             | 200            | -   | 30                  | 200,000                           |
| LD3553-2                | 2     | 335  | (1) 400 - 6                           | (6) 2 - 14   | 400 - 3/0                                          | 2 - 8   | 600                                                                                      | -             | -               | -              | 60  | -                   | 100,000                           |
| LD3553-3                | 3     |      |                                       |              | 2/0 - 6                                            | 2 - 14  | 200                                                                                      | 200           | 200             | 100            | -   | 30                  | 200,000                           |
|                         |       |      |                                       |              | 2/0 - 6                                            | 2 - 14  | -                                                                                        | -             | -               | -              | 60  | -                   | 100,000                           |
| LD4560-1                | 1     |      |                                       |              | 400 - 3/0                                          | 2 - 8   | 400                                                                                      | 400           | 400             | 200            | 60  | 30                  | 100,000                           |
| LD4560-2                | 2     | 335  | (1) 400 - 6                           | (8) 2 - 14   |                                                    |         |                                                                                          |               |                 |                |     |                     |                                   |
| LD4560-3                | 3     |      |                                       |              | 2/0 - 6                                            | 2 - 14  | 200                                                                                      | 200           | 200             | 100            | 60  | 30                  | 100,000                           |
| LD3555-1                | 1     |      |                                       |              | 2/0 - 2                                            | 4 - 8   | 400                                                                                      | 400           | 400             | 100            | 60  | 30                  | 100,000                           |
| LD3555-2                | 2     | 350  | (2) 2/0 - 14                          | (6) 4 - 14   |                                                    |         |                                                                                          |               |                 |                |     |                     |                                   |
| LD3555-3                | 3     |      |                                       |              | 4 - 6                                              | 10 - 14 | 200                                                                                      | 200           | 200             | 100            | 60  | 30                  | 100,000                           |
| LD3955-1                | 1     |      |                                       |              | 2/0 - 2                                            | 4 - 8   | 400                                                                                      | 400           | 400             | 100            | 60  | 30                  | 100,000                           |
| LD3955-2                | 2     | 350  | (2) 2/0 - 14                          | (6) 4 - 14   |                                                    |         |                                                                                          |               |                 |                |     |                     |                                   |
| LD3955-3                | 3     |      |                                       |              | 4 - 6                                              | 10 - 14 | 200                                                                                      | 200           | 200             | 100            | 60  | 30                  | 100,000                           |
| LD3953-1                | 1     |      |                                       |              | 500 - 3/0                                          | 2 - 10  | 600                                                                                      | 600           | 600             | -              | -   | -                   | 50,000                            |
| LD3953-2                | 2     | 380  | (1) 500 - 4                           | (6) 2 - 14   |                                                    |         | 400                                                                                      | 400           | 400             | 200            | 60  | 30                  | 100,000                           |
| LD3953-3                | 3     |      |                                       |              | 2/0 - 4                                            | 2 - 14  | 200                                                                                      | 200           | 200             | 100            | 60  | 30                  | 100,000                           |
| LD3953-1                | 1     |      |                                       |              | 500 - 3/0                                          | 2 - 8   | 400                                                                                      | 400           | 400             | 200            | 60  | 30                  | 100,000                           |
| LD3953-2                | 2     | 380  | (1) 500 - 4                           | (6) 2 - 14   |                                                    |         |                                                                                          |               |                 |                |     |                     |                                   |
| LD3953-3                | 3     |      |                                       |              | 2/0 - 4                                            | 2 - 14  | 200                                                                                      | 200           | 200             | 100            | 60  | 30                  | 100,000                           |
| LD4551-1                | 1     |      |                                       |              | 500 - 3/0                                          | 2 - 8   | 600                                                                                      | 600           | 400             | 200            | 60  | 30                  | 100,000                           |
| LD4551-2                | 2     | 380  | (1) 500 - 4                           | (6) 2 - 14   |                                                    |         |                                                                                          |               |                 |                |     |                     |                                   |
| LD4551-3                | 3     |      |                                       |              | 2/0 - 4                                            | 2 - 14  | 200                                                                                      | 200           | 200             | 100            | 60  | 30                  | 100,000                           |
| LD5552-1                | 1     |      |                                       |              | 500 - 3/0                                          | 2 - 8   | 400                                                                                      | 400           | 400             | 200            | 60  | 30                  | 100,000                           |
| LD5552-2                | 2     | 380  | (1) 500 - 4                           | (12) 2 - 14  |                                                    |         |                                                                                          |               |                 |                |     |                     |                                   |
| LD5552-3                | 3     |      |                                       |              | 2/0 - 4                                            | 2 - 14  | 200                                                                                      | 200           | 200             | 100            | 60  | 30                  | 100,000                           |
| LD5579-1                | 1     |      |                                       |              | 500 - 3/0                                          | 2/0 - 6 | 400                                                                                      | 400           | 400             | 100            | 60  | 30                  | 100,000                           |
| LD5579-2                | 2     | 380  | (1) 500 - 4                           | (6) 2/0 - 14 |                                                    |         |                                                                                          |               |                 |                |     |                     |                                   |
| LD5579-3                | 3     |      |                                       |              | 2/0 - 4                                            | 8 - 14  | 200                                                                                      | 200           | 200             | 100            | 60  | 30                  | 100,000                           |
| LD5594-1                | 1     |      |                                       |              | 500 - 3/0                                          | 2 - 8   | 600                                                                                      | 600           | 400             | 200            | 60  | 30                  | 100,000                           |
| LD5594-2                | 2     | 380  | (1) 500 - 4                           | (8) 2 - 14   |                                                    |         |                                                                                          |               |                 |                |     |                     |                                   |
| LD5594-3                | 3     |      |                                       |              | 2/0 - 4                                            | 2 - 14  | 200                                                                                      | 200           | 200             | 100            | 60  | 30                  | 100,000                           |
| LS4557-1                | 1     |      |                                       |              |                                                    |         | 600                                                                                      | 600           | -               | -              | -   | -                   | 50,000                            |
| LS4557-2                | 2     | 420  | (1) 600 - 4                           | (1) 600 - 4  | 600 - 2                                            | 600 - 2 |                                                                                          |               |                 |                |     |                     |                                   |
| LS4557-3                | 3     |      |                                       |              |                                                    |         | 400                                                                                      | 400           | 400             | 200            | 60  | 30                  | 100,000                           |

| POWER BLOCK DESCRIPTION |       |      |                                       |              | HIGH SCCR REQUIREMENTS                             |          |                                                                                          |               |                 |                |     |                     |                                   |
|-------------------------|-------|------|---------------------------------------|--------------|----------------------------------------------------|----------|------------------------------------------------------------------------------------------|---------------|-----------------|----------------|-----|---------------------|-----------------------------------|
| Littelfuse Catalog #    | Poles | Amps | Rated Wire Range (openings) kcmil/AWG |              | Conductor Size Required (kcmil/AWG) <sup>(2)</sup> |          | Overcurrent Protection Fuse Required Class / Part Number / Max Amp Rating <sup>(3)</sup> |               |                 |                |     |                     | SCCR, RMS SYM Amps <sup>(1)</sup> |
|                         |       |      |                                       |              |                                                    |          | J                                                                                        | T             | RK1             | RK5            | G   | CC                  |                                   |
|                         |       |      | Line                                  | Load         | Line                                               | Load     | JTD                                                                                      | JLLN, or JLLS | LLNRK, or LLSRK | FLNR, or FLRSR | SLC | CCMR, KLDR, or KLKR |                                   |
| LD5586-1                | 1     |      |                                       |              | 500-250                                            | 2/0 - 4  | 600                                                                                      | 600           | 400             | 200            | 60  | 30                  | 100,000                           |
| LD5586-2                | 2     | 760  | (2) 500 - 4                           | (8) 2/0 - 14 | 4/0 - 4                                            | 2/0 - 10 | 600                                                                                      | 600           | -               | -              | -   | -                   | 50,000                            |
| LD5586-3                | 3     |      |                                       |              |                                                    |          | 400                                                                                      | 400           | 400             | 200            | 60  | 30                  | 100,000                           |
| LD5592-1                | 1     |      |                                       |              | 500 - 250                                          | 4 - 8    | 600                                                                                      | 600           | 600             | -              | -   | -                   | 50,000                            |
| LD5592-2                | 2     | 760  | (2) 500 - 4                           | (12) 4 - 14  | 4/0 - 4                                            | 4 - 14   | 400                                                                                      | 400           | 400             | 200            | 60  | 30                  | 100,000                           |
| LD5592-3                | 3     |      |                                       |              |                                                    |          | 600                                                                                      | 600           | -               | -              | -   | -                   | -                                 |
|                         |       |      |                                       |              |                                                    |          | 400                                                                                      | 400           | 400             | 200            | 60  | 30                  | 100,000                           |
| LD5986-1                | 1     |      |                                       |              | 500 - 250                                          | 2/0 - 4  | 600                                                                                      | 600           | 400             | 200            | 60  | 30                  | 100,000                           |
| LD5986-2                | 2     | 760  | (2) 500 - 4                           | (8) 2/0 - 14 | 4/0 - 4                                            | 2/0 - 6  | 600                                                                                      | 600           | -               | -              | -   | -                   | 50,000                            |
| LD5986-3                | 3     |      |                                       |              |                                                    |          | 400                                                                                      | 400           | 400             | 200            | 60  | 30                  | 100,000                           |
| LD5992-1                | 1     |      |                                       |              | 500 - 250                                          | 2 - 8    | 600                                                                                      | 600           | 600             | -              | -   | -                   | 50,000                            |
| LD5992-2                | 2     | 760  | (2) 500 - 4                           | (12) 2 - 14  | 4/0 - 4                                            | 2 - 14   | 400                                                                                      | 400           | 400             | 200            | 60  | 30                  | 100,000                           |
| LD5992-3                | 3     |      |                                       |              |                                                    |          | 600                                                                                      | 600           | -               | -              | -   | -                   | -                                 |
|                         |       |      |                                       |              |                                                    |          | 400                                                                                      | 400           | 400             | 200            | 60  | 30                  | 100,000                           |

\*The connectors were tested and approved at 90°C per UL 486 A/B - ampacity reflect 90°C column in Table 310-16 of NEC.

- (1) Short-circuit current ratings may be marked on the block or instructions provided with the terminal block
- (2) Size range of conductors necessary to maintain noted SCCR
- (3) Maximum size of line side overcurrent protection to provide noted SCCR