

## Catalog Number Explanation

Position Number

|          |   |          |          |   |          |   |          |
|----------|---|----------|----------|---|----------|---|----------|
| 1-4      |   | 6        | 7        |   | 8        |   | 10       |
| 1321     | - | 3        | R        | - | 4        | - | B        |
| <b>a</b> |   | <b>b</b> | <b>c</b> |   | <b>d</b> |   | <b>e</b> |

| <b>a</b> |                      |
|----------|----------------------|
| Product  |                      |
| Code     | Type                 |
| 1321     | 1321 Power Component |

| <b>b</b> |             |
|----------|-------------|
| Phases   |             |
| Code     | Description |
| 3        | Three-Phase |

| <b>c</b>              |                 |
|-----------------------|-----------------|
| Device                |                 |
| Code                  | Description     |
| R, RB                 | Reactor, Open   |
| RA/RAB <sup>(1)</sup> | Reactor, NEMA 1 |

(1) RAB is only available in cabinet style 2 or 3.

| <b>d</b>         |      |
|------------------|------|
| Fundamental Amps |      |
| Code             | Amps |
| 1                | 1    |
| 2                | 2    |
| 4                | 4    |
| 8                | 8    |
| 12               | 12   |
| 18               | 18   |
| 25               | 25   |
| 35               | 35   |
| 45               | 45   |
| 55               | 55   |
| 80               | 80   |
| 100              | 100  |
| 130              | 130  |
| 160              | 160  |
| 200              | 200  |
| 250              | 250  |
| 320              | 320  |
| 400              | 400  |
| 500              | 500  |
| 600              | 600  |
| 750              | 750  |
| 850              | 850  |
| 1000             | 1000 |

| <b>e</b>          |                                                                                                       |
|-------------------|-------------------------------------------------------------------------------------------------------|
| Inductance Rating |                                                                                                       |
| Code              | Description                                                                                           |
| A                 | Each reactor current rating has four inductance ratings also available. See the IP00 dimension table. |
| B                 |                                                                                                       |
| C                 |                                                                                                       |
| D                 |                                                                                                       |

See [Typical Termination Types and Specifications on page 9](#) for dimensions.

## Sizing Guidelines (Continued)

| Catalog Number | Fundamental Amps | Inductance - mH<br>(Based on Fundamental Amps) | Watts Loss | Dimensions in mm (in.) and Weight in kg (lb) |              |                 |            |            |              |               |
|----------------|------------------|------------------------------------------------|------------|----------------------------------------------|--------------|-----------------|------------|------------|--------------|---------------|
|                |                  |                                                |            | A                                            | B            | C (1)           | D (2) (3)  | E          | F            | Weight (apx.) |
| 1321-3R55-A    | 55               | 0.25                                           | 32         | 227.8 (9.0)                                  | 174.0 (6.9)  | 116.8 (4.6) 5.4 | 83 (3.3)   | 76 (3.0)   | 108 (4.3)    | 8.9 (19.6)    |
| 1321-3R55-B    |                  | 0.5                                            | 50         | 227.8 (9.0)                                  | 174.0 (6.9)  | 116.8 (4.6) 5.4 | 83 (3.3)   | 76 (3.0)   | 108 (4.3)    | 9.5 (21.0)    |
| 1321-3R55-C    |                  | 0.85                                           | 61         | 227.8 (9.0)                                  | 174.0 (6.9)  | 129.5 (5.1) 5.9 | 96 (3.8)   | 76 (3.0)   | 108 (4.3)    | 12.6 (27.8)   |
| 1321-3R80-A    | 80               | 0.2                                            | 59         | 228.6 (9.0)                                  | 203.2 (8.0)  | 157.5 (6.2)     | 83 (3.3)   | 76 (3.0)   | 108 (4.3)    | 12.7 (28.0)   |
| 1321-3R80-B    |                  | 0.4                                            | 82         | 233.7 (9.2)                                  | 200.7 (7.9)  | 172.7 (6.8)     | 96 (3.8)   | 76 (3.0)   | 108 (4.3)    | 15 (33.0)     |
| 1321-3R80-C    |                  | 0.7                                            | 106        | 292.1 (11.5)                                 | 218.4 (8.6)  | 208.3 (8.2)     | 111 (4.4)  | 92 (3.63)  | 141.7 (5.6)  | 22.7 (50.0)   |
| 1321-3R100-A   | 100              | 0.15                                           | 59         | 228.6 (9.0)                                  | 200.7 (7.9)  | 165.1 (6.5)     | 83 (3.3)   | 76 (3.0)   | 108 (4.3)    | 13.2 (29.0)   |
| 1321-3R100-B   |                  | 0.3                                            | 94         | 238.8 (9.4)                                  | 200.7 (7.9)  | 175.3 (6.9)     | 96 (3.8)   | 76 (3.0)   | 108 (4.3)    | 15.9 (35.0)   |
| 1321-3R100-C   |                  | 0.45                                           | 108        | 292.1 (11.5)                                 | 218.4 (8.6)  | 195.6 (7.7)     | 111 (4.4)  | 92 (3.63)  | 141.7 (5.6)  | 24.5 (54.0)   |
| 1321-3R130-A   | 130              | 0.1                                            | 71         | 259.1 (10.2)                                 | 210.8 (8.3)  | 170.2 (6.7)     | 83 (3.3)   | 76 (3.0)   | 108 (4.3)    | 13.6 (30.0)   |
| 1321-3R130-B   |                  | 0.2                                            | 117        | 259.1 (10.2)                                 | 210.8 (8.3)  | 210.8 (8.3)     | 108 (4.3)  | 76 (3.0)   | 108 (4.3)    | 17.2 (38.0)   |
| 1321-3R130-C   |                  | 0.3                                            | 116        | 292.1 (11.5)                                 | 215.9 (8.5)  | 226.1 (8.9)     | 117 (4.6)  | 92 (3.63)  | 141.7 (5.6)  | 25.4 (56.0)   |
| 1321-3R160-A   | 160              | 0.075                                          | 71         | 259.1 (10.2)                                 | 200.7 (7.9)  | 190.5 (7.5)     | 108 (4.3)  | 76 (3.0)   | 108 (4.3)    | 20.0 (44.0)   |
| 1321-3R160-B   |                  | 0.15                                           | 112        | 289.6 (11.4)                                 | 218.4 (8.6)  | 218.4 (8.6)     | 98 (3.9)   | 92 (3.63)  | 141.7 (5.6)  | 20.4 (45.0)   |
| 1321-3R160-C   |                  | 0.23                                           | 131        | 289.6 (11.4)                                 | 218.4 (8.6)  | 228.6 (9.0)     | 123 (4.9)  | 92 (3.63)  | 141.7 (5.6)  | 29.5 (65.0)   |
| 1321-3R200-A   | 200              | 0.055                                          | 83         | 256.5 (10.1)                                 | 188.0 (7.4)  | 195.6 (7.7)     | 108 (4.3)  | 76 (3.0)   | 108 (4.3)    | 16.3 (36.0)   |
| 1321-3R200-B   |                  | 0.11                                           | 142        | 256.5 (10.1)                                 | 203.2 (8.0)  | 233.7 (9.2)     | 122 (4.8)  | 76 (3.0)   | 108 (4.3)    | 22.2 (49.0)   |
| 1321-3R200-C   |                  | 0.185                                          | 146        | 284.5 (11.2)                                 | 218.4 (8.6)  | 259.1 (10.2)    | 142 (5.6)  | 92 (3.63)  | 141.7 (5.6)  | 34.9 (77.0)   |
| 1321-3RB250-A  | 250              | 0.045                                          | 122        | 256.5 (10.1)                                 | 203.2 (8.0)  | 266.7 (10.5)    | 108 (4.3)  | 92 (3.63)  | 108 (4.3)    | 18.1 (40.0)   |
| 1321-3RB250-B  |                  | 0.09                                           | 116        | 284.5 (11.2)                                 | 231.1 (9.1)  | 241.3 (9.5)     | 124 (4.9)  | 92 (3.63)  | 141.7 (5.6)  | 29.5 (65.0)   |
| 1321-3RB250-C  |                  | 0.15                                           | 178        | 381.0 (15.0)                                 | 287.0 (11.3) | 251.5 (9.9)     | 155 (6.1)  | 117 (4.6)  | 182.89 (7.2) | 52.2 (115.0)  |
| 1321-3RB320-A  | 320              | 0.04                                           | 149        | 284.5 (11.2)                                 | 218.4 (8.6)  | 218.4 (8.6)     | 123 (4.9)  | 92.2 (3.6) | 141.7 (5.6)  | 27.7 (61.0)   |
| 1321-3RB320-B  |                  | 0.075                                          | 222        | 284.5 (11.2)                                 | 218.4 (8.6)  | 243.8 (9.6)     | 149 (5.9)  | 92.2 (3.6) | 141.7 (5.6)  | 37.2 (82.0)   |
| 1321-3RB320-C  |                  | 0.125                                          | 241        | 360.7 (14.2)                                 | 289.6 (11.4) | 299.7 (11.8)    | 181 (7.1)  | 117 (4.6)  | 182.9 (7.2)  | 57.6 (127.0)  |
| 1321-3RB400-A  | 400              | 0.03                                           | 146        | 284.5 (11.2)                                 | 231.1 (9.1)  | 259.1 (10.2)    | 136 (5.4)  | 92.2 (3.6) | 141.7 (5.6)  | 32.6 (72.0)   |
| 1321-3RB400-B  |                  | 0.06                                           | 203        | 355.6 (14.0)                                 | 289.6 (11.4) | 279.4 (11.0)    | 168 (6.6)  | 117 (4.6)  | 182.9 (7.2)  | 49.9 (110.0)  |
| 1321-3RB400-C  |                  | 0.105                                          | 285        | 360.7 (14.2)                                 | 289.6 (11.4) | 320.0 (12.6)    | 193 (7.6)  | 117 (4.6)  | 182.9 (7.2)  | 64.4 (142.0)  |
| 1321-3R500-A   | 500              | 0.025                                          | 158        | 284.5 (11.2)                                 | 231.1 (9.1)  | 297.2 (11.7)    | 136 (5.4)  | 92.2 (3.6) | 141.7 (5.6)  | 34.9 (77.0)   |
| 1321-3R500-B   |                  | 0.05                                           | 242        | 368.3 (14.5)                                 | 299.7 (11.8) | 355.6 (14.0)    | 181 (7.1)  | 117 (4.6)  | 182.9 (7.2)  | 57.6 (127.0)  |
| 1321-3R500-C   |                  | 0.085                                          | 308        | 368.3 (14.5)                                 | 299.7 (11.8) | 414.0 (16.3)    | 231 (9.1)  | 117 (4.6)  | 182.9 (7.2)  | 85.7 (189.0)  |
| 1321-3R600-A   | 600              | 0.02                                           | 222        | 368.3 (14.5)                                 | 299.7 (11.8) | 304.8 (12.0)    | 155 (6.1)  | 117 (4.6)  | 182.9 (7.2)  | 49.9 (110.0)  |
| 1321-3R600-B   |                  | 0.04                                           | 279        | 368.3 (14.5)                                 | 299.7 (11.8) | 348.0 (13.7)    | 193 (7.6)  | 117 (4.6)  | 182.9 (7.2)  | 66.7 (147.0)  |
| 1321-3R600-C   |                  | 0.065                                          | 355        | 368.3 (14.5)                                 | 299.7 (11.8) | 419.1 (16.5)    | 257 (10.1) | 117 (4.6)  | 182.9 (7.2)  | 99.4 (219.0)  |
| 1321-3R750-A   | 750              | 0.015                                          | 227        | 368.3 (14.5)                                 | 299.7 (11.8) | 345.4 (13.6)    | 168 (6.6)  | 117 (4.6)  | 182.9 (7.2)  | 54.4 (120.0)  |
| 1321-3R750-B   |                  | 0.029                                          | 327        | 373.4 (14.7)                                 | 365.8 (14.4) | 373.4 (14.7)    | 197 (7.8)  | 117 (4.6)  | 182.9 (7.2)  | 93.0 (205.0)  |
| 1321-3R750-C   |                  | 0.048                                          | 433        | 381.0 (15.0)                                 | 365.8 (14.4) | 391.2 (15.4)    | 223 (8.8)  | 117 (4.6)  | 182.9 (7.2)  | 111.6 (246.0) |
| 1321-3R850-A   | 850              | 0.015                                          | 293        | 365.8 (14.4)                                 | 365.8 (14.4) | 315.0 (12.4)    | 206 (8.1)  | 117 (4.6)  | 182.9 (7.2)  | 66.7 (147.0)  |
| 1321-3R850-B   |                  | 0.027                                          | 386        | 365.8 (14.4)                                 | 365.8 (14.4) | 327.7 (12.9)    | 219 (8.6)  | 117 (4.6)  | 182.9 (7.2)  | 78.9 (174.0)  |
| 1321-3R850-C   |                  | 0.042                                          | 386        | 365.8 (14.4)                                 | 365.8 (14.4) | 393.7 (15.5)    | 282 (11.1) | 117 (4.6)  | 182.9 (7.2)  | 118.9 (262.0) |
| 1321-3R1000-B  | 1000             | 0.022                                          | 507        | 375.9 (14.8)                                 | 373.4 (14.7) | 368.3 (14.5)    | 231 (9.1)  | 117 (4.6)  | 182.9 (7.2)  | 89.4 (197.0)  |
| 1321-3R1000-C  |                  | 0.038                                          | 480        | 375.9 (14.8)                                 | 373.4 (14.7) | 419.1 (16.5)    | 282 (11.1) | 117 (4.6)  | 182.9 (7.2)  | 121.6 (268.0) |

(1) Dimension C is measured at the widest point of the line reactor. This could be at the base or at the terminal depending on the catalog number. See [Typical Termination Types and Specifications on page 9](#) for examples of line reactor types.

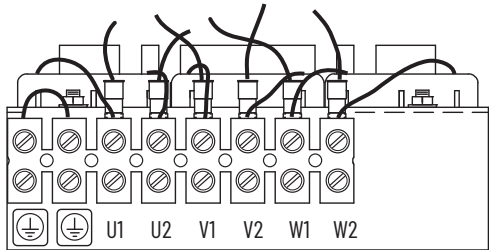
(2) Removable lifting rings are supplied with the unit.

(3) For closed slot units, the center dimension is measured from the center of the slot. For open slots, the center dimension is measure from the inner most radii.

1321-RWR Assembly Components

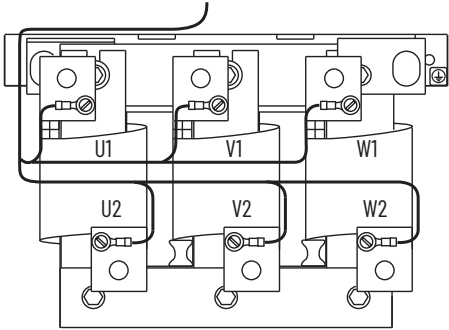
| 400/480V      |          |       |                 |
|---------------|----------|-------|-----------------|
| Reactor       | Resistor |       | Wire Size (AWG) |
|               | Ohms (Ω) | Watts |                 |
| 1321-3R8-B    | 50       | 250   | 14...12         |
| 1321-3R12-B   | 50       | 250   | 14...12         |
| 1321-3R18-B   | 50       | 250   | 14...12         |
| 1321-3R25-B   | 50       | 250   | 10              |
| 1321-3R35-B   | 50       | 250   | 8...6           |
| 1321-3R45-B   | 50       | 250   | 6               |
| 1321-3R55-B   | 50       | 250   | 4               |
| 1321-3R80-B   | 50       | 250   | 2/0             |
| 1321-3R100-B  | 50       | 250   | 2/0             |
| 1321-3R130-B  | 50       | 300   | 2/0             |
| 1321-3R160-B  | 50       | 300   | 4/0             |
| 1321-3R200-B  | 50       | 300   | 250 MCM         |
| 1321-3RB250-B | 50       | 300   | 350 MCM         |
| 1321-3R320-B  | 50       | 300   | 500 MCM         |

Terminal Block Details



Details Figure 1 and Figure 2

| 600V          |          |       |                 |
|---------------|----------|-------|-----------------|
| Reactor       | Resistor |       | Wire Size (AWG) |
|               | Ohms (Ω) | Watts |                 |
| 1321-3R8-B    | 50       | 360   | 14...12         |
| 1321-3R12-B   | 50       | 360   | 14...12         |
| 1321-3R18-B   | 50       | 360   | 14...12         |
| 1321-3R25-B   | 50       | 360   | 10              |
| 1321-3R35-B   | 50       | 360   | 8...6           |
| 1321-3R45-B   | 50       | 360   | 6               |
| 1321-3R55-B   | 50       | 375   | 4               |
| 1321-3R80-B   | 50       | 375   | 2/0             |
| 1321-3R100-B  | 50       | 375   | 2/0             |
| 1321-3R130-B  | 50       | 420   | 2/0             |
| 1321-3R160-B  | 50       | 420   | 4/0             |
| 1321-3R200-B  | 50       | 420   | 250 MCM         |
| 1321-3RB250-B | 50       | 420   | 350 MCM         |



Details Figure 3