

## Accessories — Field Installed

## NEMA Non-Combination Contactors/Starters and Combination Contactors/Starters

## Contactor Accessories, continued

For use on Bulletins 500, 500F, 500L, 500LP, 502, 502L, 503, 503L, 505, 505V, 506, 506X, 507, 507X, 509, 512, 512H, 512M, 512V, 513, 513H, 513M, 513V, 520, 520V, 522, 523, 530, 532, 533, 540, 542, 543, 570, 572, 573, 1242, 1243, 1272, 1273, 1282, 1283, 1232X, 1232V, 1233X and 1233V

**Timer Attachment Kit** — A pneumatic timer attachment may be field installed in the space of two adjacent auxiliary contact blocks. Timing units are available for either ON-Delay or OFF-Delay operation with a timed set of one (1) N.O. and one (1) N.C. snap-action contacts that are electrically isolated.

Repetitive accuracy within the timer range is approximately  $\pm 10\%$  provided a minimum reset time of 75 ms is allowed.

**Note:**

- Sizes 0...5: Timers can be added to the left- or right-hand side of the contactor body. On Size 00 they can be mounted to the front of the contactor.
- Size 0, 1 and 2: Timers cannot be used on the same side as power pole adders.
- Size 2 Devices: The operating coil must be changed. See [T-1678929] and refer to the size 2 operating coil listing. Order the coil listed for a 4-...5-pole device.

**Note:** These coils can also be factory installed.

- Enclosed Devices: Please contact your local Rockwell Automation sales office or Allen-Bradley distributor.

**Contact Ratings:** NEMA A600 (10 A, 600V AC max.)  
NEMA P300 (5 A, 300V DC max.)

| Description                                                                        | NEMA Size | Cat. No.    |
|------------------------------------------------------------------------------------|-----------|-------------|
|  | On-Delay  | 100-FPTA30  |
|                                                                                    | On-Delay  | 100-FPTA180 |
|                                                                                    | Off-Delay | 100-FPTB30  |
|                                                                                    | Off-Delay | 100-FPTB180 |
| Left-hand ON Delay                                                                 | 00§       | 596-TL32    |
|                                                                                    |           | 596-TL33    |
|                                                                                    |           | 596-TR32    |
|                                                                                    |           | 596-TR33    |
| Left-hand OFF Delay                                                                | 0...5     | 596-TL32    |
|                                                                                    |           | 596-TL33    |
|                                                                                    |           | 596-TR32    |
|                                                                                    |           | 596-TR33    |

Cat No. 596-TR32

§ For open type, non-combination starters only.

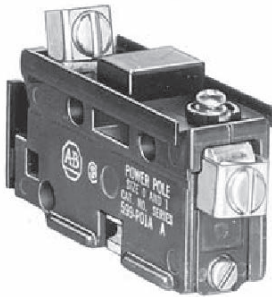
| Description                    | NEMA Size       | Cat. No. |
|--------------------------------|-----------------|----------|
| Auxiliary Contact — Contactors | 1 N.O.          | 595-A    |
|                                | 2 N.O.          | 595-AA   |
|                                | 1 N.C.          | 595-B    |
|                                | 2 N.C.          | 595-BB   |
|                                | 1 N.O. and N.C. | 595-AB   |
|                                | 1 N.C.L.B.      | 595-BL   |
|                                | 1 N.O.          | 195-GA10 |
|                                | 1 N.O.          | 1495-J6  |
|                                | 2 N.O.          | 195-GA20 |
|                                | 2 N.O.          | 1495-K6  |
|                                | 2 N.O.          | 1495-K8  |
|                                | 1 N.C.          | 195-GB01 |
|                                | 1 N.C.          | 1495-J6  |
|                                | 2 N.C.          | 195-GB02 |
|                                | 2 N.C.          | 1495-K6  |
|                                | 2 N.C.          | 1495-K8  |
| 1 N.O. and N.C.                | 6               | 195-GB11 |
|                                | 2 N.O.          | 1495-K6  |
|                                | 2 N.O.          | 1495-K8  |
|                                | 1 N.C.L.B.      | 195-GL01 |

♣ The normally open contacts can easily be changed to normally closed in the field.

**Power Pole Adders** — The 1 N.O. and 1 N.C. power poles may be field added to all size 0...4 Bulletin 500 line contactors and starters except the Bulletin 500L and 500FL. Two- and three-pole contactors will accept a maximum of two adder poles and four-pole devices will accept one adder pole. Each adder pole kit includes a mechanical load balancer to be used when only one power pole is added.

**Note:** When power poles are added to Size 2, 3, or 4 (2- or 3-pole devices) the operating coil must be changed. Refer to the listing for the size of your contactor or starter. Order the operating coil listed for a 4-...5-pole device.

**Note:** These coils can also be factory installed.

| Description                                                                        | NEMA Size         | Cat. No.  |
|------------------------------------------------------------------------------------|-------------------|-----------|
|  | 1 N.O.            | 599-P01A  |
|                                                                                    | 1 N.C.            | 599-P01B  |
|                                                                                    | 1 N.C. Late Break | 599-P01BL |
|                                                                                    | 1 N.O.            | 599-P2A   |
| 1 N.C.                                                                             | 2                 | 599-P2B   |
|                                                                                    | 1 N.C. Late Break | 599-P2BL  |
|                                                                                    | 1 N.O.            | 599-P3A   |
|                                                                                    | 1 N.C.            | 599-P3B   |
| 1 N.O.                                                                             | 4                 | 599-P4A   |
|                                                                                    | 1 N.C.            | 599-P4B   |

Cat. No. 599-P01A (1 N.O.)  
Size 0...1, 27 Amps.

**Contactor Kick-off Springs** — For horizontal mounting of 2- or 3-pole Bulletin 500 contactors and starters.

**Note:** When kick-off springs are added to Size 2, 3 or 4, the operating coil must be changed. Refer to the listing for the size of your contactor or starter. Order the operating coil listed for a 4-pole device.

**Note:** These coils can also be factory installed.

| Description                                                                          | NEMA Size | Cat. No. |
|--------------------------------------------------------------------------------------|-----------|----------|
|  | 0...1     | 599-N11  |
|                                                                                      | 2         | 599-N12  |
|                                                                                      | 3         | 599-N13  |
|                                                                                      | 4...5     | 599-N14  |

| Wire Size                             | NEMA Size | Cat. No.     |
|---------------------------------------|-----------|--------------|
| <b>Lug Connectors (3 per package)</b> |           |              |
| #14...8 AWG Wire                      | 0...1     | *            |
| #14...4 AWG Wire                      | 2         | 1494R-N1     |
| #8...1/0 AWG Wire                     | 3         | 1494R-N2     |
| #6...4/0 AWG Wire                     | 4         | 1494R-N3     |
| 2 of #1/0...350 MCM Wire              | 5         | 42450-804-01 |

Cat. No. 1494R-N3

\* All terminals of the 30 A switches are furnished with self-lifting pressure plate connectors as standard.

| Description                                                                         | NEMA Size        | Cat. No.                                                                                         |
|-------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------------------|
|  | Terminal Lug Kit | Two #1/0 150...500 MCM<br>1 required per terminal                                                |
|                                                                                     | Terminal Lug Kit | #4 AWG...500 MCM<br>3 required per terminal for Size 7<br>and 4 required per terminal for Size 8 |
|                                                                                     | 6                | 199-LJ1                                                                                          |
|                                                                                     | 7...8            | 199-LG1                                                                                          |

## Accessories — Field Installed

## NEMA Non-Combination Contactors/Starters and Combination Contactors/Starters

## Disconnect Switch Accessories, continued

For use on Bulletins 502, 502L, 506, 506X, 512, 512H, 512M, 512V, 522, 532, 542, 572, 1242, 1272, 1282, 1232X, and 1232V

1



Cat. No. 1494R-N3

| Description                           |                                                               | For Use With                                             | Cat. No.    |
|---------------------------------------|---------------------------------------------------------------|----------------------------------------------------------|-------------|
| <b>Lug Connectors (3 per package)</b> |                                                               | 1494C, 1494F,<br>1494G, and 1494V<br>Disconnect Switches |             |
| Disconnect Size [A]                   | Wire Size                                                     |                                                          |             |
| 30                                    | #14...8 AWG Wire                                              |                                                          | *           |
| 60                                    | #14...4 AWG Wire                                              |                                                          | § 1494R-N1  |
| 100                                   | #8...1/0 AWG Wire                                             |                                                          | § 1494R-N2  |
| 200                                   | #6...4/0 AWG Wire                                             |                                                          | § 1494R-N3  |
| 400                                   | #6...250 MCM AWG<br>16 mm <sup>2</sup> ...120 mm <sup>2</sup> |                                                          | 1494R-N14   |
| 400                                   | #4 AWG...500 MCM Wire (oversized)                             |                                                          | 1494R-N15   |
| 600                                   | (2) of #1/0...350 MCM Wire                                    | 1491-N621 or 1491-<br>R621 600 A fuse<br>blocks          | § 1494R-N10 |
| 600                                   | (2) of #1/0...350 MCM Wire                                    |                                                          | ♣ 1494R-N11 |



| Protective Fuse Covers |             |                      |      |          |
|------------------------|-------------|----------------------|------|----------|
| Switch Rating [A]      | Fuse Class  | Fuse Clip Rating [A] |      | Cat. No. |
|                        |             | 250V                 | 600V |          |
| 30                     | Non-fusible | —                    | —    | 1495-N64 |
| 30                     | H, R        | 30                   | —    |          |
| 60                     | H, R        | 60                   | —    |          |
| 30                     | J           | 30                   | 30   |          |
| 60                     | J           | 60                   | 60   |          |
| 60                     | Non-fusible | —                    | —    |          |
| 100                    | Non-fusible | —                    | —    | 1495-N65 |
| 30                     | H, R        | —                    | 30   |          |
| 60                     | H, R        | —                    | 60   |          |
| 100                    | J           | 100                  | 100  | 1495-N66 |
| 100                    | H, R        | 100                  | 100  |          |
|                        | J           | 200                  | 200  | 1495-N67 |
| 200                    | Non-fusible | —                    | —    |          |
| 200                    | H, J, R     | 200                  | 200  |          |
|                        | J           | 400                  | 400  | 1495-N62 |
| 200                    | Non-fusible | —                    | —    |          |
| 200                    | H, J, R     | 200                  | 200  | 1495-N68 |
| 400                    | Non-fusible | —                    | —    |          |
| 400                    | H, J, R     | 400                  | 400  | 1495-N63 |
| 400                    | Non-fusible | —                    | —    |          |
| 400                    | H, J, R     | 400                  | 400  | 1495-N61 |
| 600                    | Non-fusible | —                    | —    |          |
| 600                    | J           | 600                  | 600  |          |

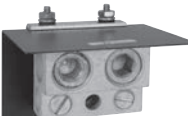
\* All terminals of the 30 A switches are furnished with self-lifting pressure plate connectors (N56, N57, and N58) as standard.

§ Each kit contains three lugs.

♣ Each kits contains two lugs.

➤ Switch with right-hand mechanism.

⌘ Switch with left-hand mechanism.

|   | Description                                             |                                             | For Use With                                       | Cat. No.    |
|------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------|----------------------------------------------------|-------------|
|                                                                                    | Lug Connectors (3 per package)                          |                                             | 1494C, 1494F, 1494G, and 1494V Disconnect Switches |             |
|                                                                                    | Disconnect Size [A]                                     | Wire Size                                   |                                                    |             |
|                                                                                    | 30                                                      | #14...8 AWG Wire                            |                                                    | *           |
|                                                                                    | 60                                                      | #14...4 AWG Wire                            |                                                    | § 1494R-N1  |
|                                                                                    | 100                                                     | #8...1/0 AWG Wire                           |                                                    | § 1494R-N2  |
|                                                                                    | 200                                                     | #6...4/0 AWG Wire                           |                                                    | § 1494R-N3  |
|                                                                                    |                                                         | #6...250 MCM Wire (oversized)               |                                                    | § 199-LF1   |
|                                                                                    | 400                                                     | (2) of #1/0...250 MCM Wire                  |                                                    | § 1494R-N14 |
|                                                                                    |                                                         | #4 AWG...500 MCM Wire (oversized)           |                                                    | § 1494R-N15 |
| 600                                                                                | (2) of #1/0...350 MCM Wire                              | § 1494R-N10                                 |                                                    |             |
|                                                                                    | (2) of #1/0...350 MCM Wire                              | 1491-N621 or 1491-R621<br>600 A fuse blocks | ♣ 1494R-N11                                        |             |
|                                                                                    | (1) of #4...500 MCM Wire                                |                                             | ♣ 1494R-N12                                        |             |
| Cat. No. 1494R-N3                                                                  |                                                         |                                             |                                                    |             |
|   | Ground Connectors                                       |                                             | 1494C, 1494F, 1494G, and 1494V Disconnect Switches | 599-GR1     |
|                                                                                    | Ground Lug Kits                                         | 30...100 A                                  |                                                    | 599-GR2     |
|                                                                                    |                                                         | 200...400 A                                 |                                                    | 599-GR3     |
|                                                                                    |                                                         | 600 A                                       |                                                    |             |
|                                                                                    |                                                         | 30, 60 A                                    | 599-GR4                                            |             |
|                                                                                    |                                                         | 100, 200 A                                  | 599-GR5                                            |             |
| Cat. No. 599-GR1                                                                   |                                                         |                                             |                                                    |             |
|  | Neutral Kits                                            |                                             | 1494H Safety Switches                              |             |
|                                                                                    | 30 A @ 250/600V AC Fusible (Type 1 & 3R)                |                                             |                                                    | 599-NK1     |
|                                                                                    | 30 A @ 250/600V AC Non-Fusible (Type 1 & 3R)            |                                             |                                                    | 599-NK2     |
|                                                                                    | 30 A @ 250/600V AC Fusible & Non-Fusible (Type 12)      |                                             |                                                    | 599-NK3     |
|                                                                                    | 60 A @ 250/600V AC Fusible & Non-Fusible (Type 1 & 3R)  |                                             |                                                    | 599-NK4     |
|                                                                                    | 60 A @ 250/600V AC Fusible (Type 12)                    |                                             |                                                    | 599-NK5     |
|                                                                                    | 60 A @ 250/600V AC Non-Fusible (Type 12)                |                                             |                                                    | 599-NK6     |
|                                                                                    | 100 A @ 250/600V AC Fusible (Type 1 & 3R)               |                                             |                                                    | 599-NK7     |
|                                                                                    | 100 A @ 250/600V AC Non-Fusible (Type 1, 3R, and 12)    |                                             |                                                    | 599-NK8     |
|                                                                                    | 100 A @ 250/600V AC Fusible (Type 12)                   |                                             |                                                    | 599-NK9     |
|                                                                                    | 200 A @ 250/600V AC Fusible & Non-Fusible (Type 1 & 3R) |                                             |                                                    | 599-NK10    |
|                                                                                    | 200 A @ 250/600V AC Fusible & Non-Fusible (Type 12)     |                                             |                                                    | 599-NK11    |
|                                                                                    | Phase Barrier Kits                                      |                                             | 1494C, 1494F, 1494G, 1494V                         |             |
|                                                                                    | Disconnect Size [A]                                     |                                             |                                                    |             |
|                                                                                    | 30, 60                                                  |                                             |                                                    | 1494F-PH2   |
|                                                                                    | 100                                                     |                                             |                                                    | 1494F-PH3   |
|                                                                                    | 200                                                     |                                             |                                                    | 1494F-PH4   |
|                                                                                    | 400                                                     |                                             |                                                    | 1494F-PH5   |

\* All terminals of the 30 A switches are furnished with self-lifting pressure plate connectors as standard.

♣ Each kits contains (2) lugs.

§ Each kit contains (3) lugs.