



## a-c magnetic Life-Linecontactor class 15-825 • latched-in

renewal  
parts data

15-825 G3

page 1

type NRL • sizes 3 and 4  
two, three, four and five pole

### Life-Linecontactor coil data

| size | no. of<br>poles | style number of operating or latch coil |                      |                      |                                                          |                      |                      |                      |                      |                      |                      |                      |                      |
|------|-----------------|-----------------------------------------|----------------------|----------------------|----------------------------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
|      |                 | 110 volt<br>25 cycle                    | 110 volt<br>50 cycle | 110 volt<br>60 cycle | 220v-25c<br>380v-50c<br>400v-50c<br>440v-60c<br>480v-60c | 220 volt<br>50 cycle | 208v-60c<br>220v-60c | 440 volt<br>25 cycle | 400v-50c<br>440v-50c | 550 volt<br>25 cycle | 550 volt<br>50 cycle | 550 volt<br>60 cycle | 600 volt<br>60 cycle |

### operating coils

|   |         |          |          |          |          |          |          |          |          |          |          |          |          |
|---|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 3 | 2-3-4-5 | 1490 646 | 1490 652 | 1490 645 | 1490 647 | 1490 653 | 1490 646 | 1490 650 | 1490 655 | 1490 651 | 1490 656 | 1490 648 | 1490 649 |
| 4 | 2-3     | 1490 658 | 1596 636 | 1596 633 | 1490 659 | 1596 637 | 1490 658 | 1596 641 | 1596 639 | 1596 642 | 1596 640 | 1596 634 | 1596 635 |
| 4 | 4-5     | 1597 724 | 1597 728 | 1597 723 | 1597 725 | 1597 729 | 1597 724 | 1597 733 | 1597 731 | 1597 734 | 1597 732 | 1597 726 | 1597 727 |

### latch coils

|     |         |          |          |          |          |          |          |          |          |          |          |          |          |
|-----|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 3-4 | 2-3-4-5 | 1754 386 | 1754 385 | 1754 385 | 1754 387 | 1754 386 | 1754 386 | 1754 390 | 1754 388 | 1754 391 | 1754 389 | 1754 388 | 1754 389 |
|-----|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|

### ordering information

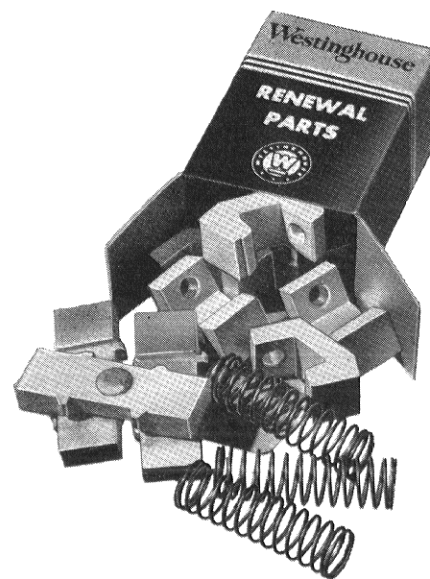
- Name the part and give its style number.
- Give the complete nameplate reading.
- State method of shipment desired.
- Send all orders or correspondence to nearest sales office of the company.

### recommended stock of renewal parts

Contacts, springs, heaters and other parts are subject to wear under normal operating conditions or damage due to abnormal conditions. We recommend that a quantity of these parts be stocked to minimize service interruptions due to breakdowns. If continuous operation is of primary consideration or conditions are abnormal a comparatively large stock is essential.

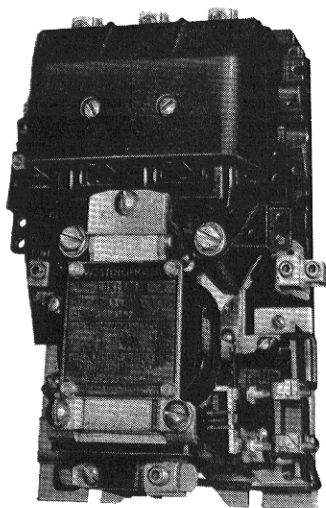
### kit of normal wearing parts

Normal wearing parts for the two pole and three pole contactors have been packaged in a single carton contact kit. A kit contains one spring, one moving contact and two stationary contacts for each pole. It is more economical to purchase these parts in this convenient, easily identified kit form. Style numbers of the contact kits and number required are shown in the tables on page 3.

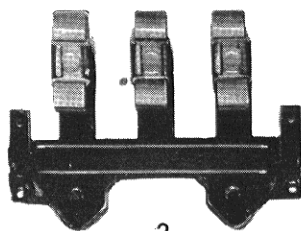


July, 1965

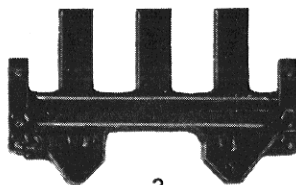
supersedes renewal parts data 15-825G3, pages 1-4, dated December, 1956  
mailed to: E, D, C/1583



1



2



3



4



5



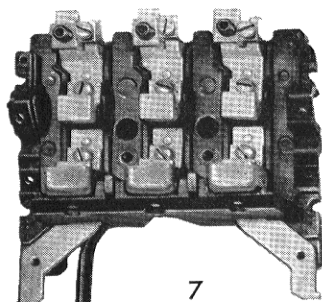
6



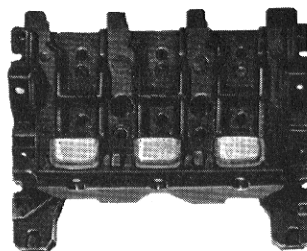
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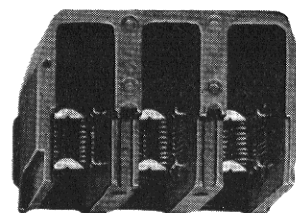
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10



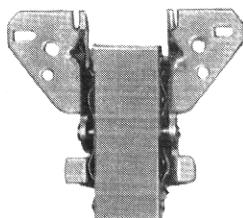
12



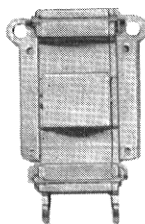
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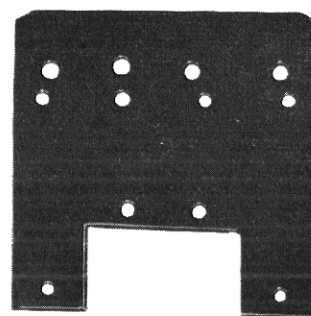
15



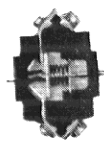
16



17



18



19



20

## size 3 Life-Linecontactors

| reference<br>number | description of part                                    | style number of part |               |               |               | number<br>used |
|---------------------|--------------------------------------------------------|----------------------|---------------|---------------|---------------|----------------|
|                     |                                                        | two<br>pole          | three<br>pole | four<br>pole  | five<br>pole  |                |
| 1                   | mechanical parts—with latch and interlock . . . . .    | 1754 848■            | 1754 849■     | 1754 852■     | 1754 853■     | 1              |
| 1                   | mechanical parts—without latch and interlock . . . . . | 1623 158■            | 1623 159■     | 1623 184■     | 1623 183■     | 1              |
| 2                   | crossbar complete . . . . .                            | 457D201G01           | 457D201G03    | 457D201G07    | 457D201G09    | 1              |
| 3                   | crossbar . . . . .                                     | 1490 403             | 1490 403      | 1490 481      | 1490 481      | 1              |
| 4                   | moving contact . . . . .                               | 1490 414             | 1490 414      | 1490 414      | 1490 414      | 1 per pole     |
| 5                   | contact spring . . . . .                               | 1490 419             | 1490 419      | 1490 419      | 1490 419      | 1 per pole     |
| 6                   | moving contact support . . . . .                       | 1490 372             | 1490 372      | 1490 372      | 1490 372      | 1 per pole     |
| 7                   | base complete . . . . .                                | 457D200G01           | 457D200G04    | 457D200G14    | 457D200G17    | 1              |
| 8                   | base with arc cups . . . . .                           | 457D200G03           | 457D200G06    | 457D200G16    | 457D200G19    | 1              |
| 9                   | stationary contact . . . . .                           | 1490 415             | 1490 415      | 1490 415      | 1490 415      | 2 per pole     |
| 10                  | line terminals with connectors . . . . .               | 1490 416             | 1490 416      | 1490 416      | 1490 416      | 1 per pole     |
| 13                  | arc box . . . . .                                      | 457D196G02           | 457D196G01    | 457D196G05    | 457D196G04    | 1              |
| 14                  | kickout spring . . . . .                               | 1490 418             | 1490 418      | 1490 418      | 1490 418      | 1              |
| 15                  | armature complete . . . . .                            | 314CB17G06           | 314CB17G06    | 314CB17G09    | 314CB17G09    | 1              |
| 16                  | stationary magnet . . . . .                            | 314C816G01           | 314C816G01    | 314C816G04    | 314C816G04    | 1              |
| 17                  | shading coil . . . . .                                 | 1490 353             | 1490 353      | 1490 353      | 1490 353      | 2              |
| 18                  | base insulation . . . . .                              | 1490 398             | 1490 398      | 1502 701      | 1502 701      | 1              |
| 11                  | load terminal block (center) . . . . .                 |                      | 314C815G01    |               | 314C815G01    | 1              |
| 12A                 | terminal collar . . . . .                              |                      | 134A140H01    |               | 134A140H01    | 1              |
| 12B                 | terminal screw . . . . .                               |                      | 107A420H41    |               | 107A420H41    | 1              |
| 12A                 | load terminal collar (outer) . . . . .                 | 134A139H01(2)        | 134A139H01(2) | 134A139H01(4) | 134A139H01(4) | ( )            |
| 12B                 | terminal screw . . . . .                               | 107A420H03(2)        | 107A420H43(2) | 107A420H43(4) | 107A420H43(4) | ( )            |
| 19                  | type L-60 electrical interlock <sup>Δ</sup> . . . . .  | 1490 460             | 1490 460      | 1490 460      | 1490 460      | 1              |
| Δ                   | latch without coil . . . . .                           | 655D107G01           | 655D107G01    | 655D107G01    | 655D107G01    | 1              |
| 20                  | operating coil . . . . .                               | see page 1           | see page 1    | see page 1    | see page 1    | 1              |
| Δ                   | latch coil . . . . .                                   | see page 1           | see page 1    | see page 1    | see page 1    | 1              |
| Δ                   | contact kit—2 pole . . . . .                           | 1625 561(1)          |               | 1625 561(2)   | 1625 561(1)   | ( )            |
| Δ                   | contact kit—3 pole . . . . .                           |                      | 1625 563(1)   |               | 1625 563(1)   | ( )            |

## size 4 Life-Linecontactors

| reference<br>number | description of part                                    | style number of part |               |               |               | number<br>used |
|---------------------|--------------------------------------------------------|----------------------|---------------|---------------|---------------|----------------|
|                     |                                                        | two<br>pole          | three<br>pole | four<br>pole  | five<br>pole  |                |
| 1                   | mechanical parts—with latch and interlock . . . . .    | 1754 850■            | 1754 851■     | 1754 854■     | 1754 855■     | 1              |
| 1                   | mechanical parts—without latch and interlock . . . . . | 1623 160■            | 1623 161■     | 1623 186■     | 1623 185■     | 1              |
| 2                   | crossbar complete . . . . .                            | 457D201G02           | 457D201G04    | 457D201G08    | 457D201G10    | 1              |
| 3                   | crossbar . . . . .                                     | 1490 403             | 1490 403      | 1490 481      | 1490 481      | 1              |
| 4                   | moving contact . . . . .                               | 1490 426             | 1490 426      | 1490 426      | 1490 426      | 1 per pole     |
| 5                   | contact spring . . . . .                               | 1490 424             | 1490 424      | 1490 424      | 1490 424      | 1 per pole     |
| 6                   | moving contact support . . . . .                       | 1490 427             | 1490 427      | 1490 427      | 1490 427      | 1 per pole     |
| 7                   | base complete . . . . .                                | 457D200G02           | 457D200G05    | 457D200G15    | 457D200G18    | 1              |
| 8                   | base with arc cups . . . . .                           | 457D200G03           | 457D200G06    | 457D200G16    | 457D200G19    | 1              |
| 9                   | stationary contact . . . . .                           | 1490 425             | 1490 425      | 1490 425      | 1490 425      | 2 per pole     |
| 10                  | line terminals with connectors . . . . .               | 1490 417             | 1490 417      | 1490 417      | 1490 417      | 1 per pole     |
| 13                  | arc box . . . . .                                      | 457D196G02           | 457D196G01    | 457D196G05    | 457D196G04    | 1              |
| 14                  | kickout spring . . . . .                               | 1490 418             | 1490 418      | 1490 418      | 1490 418      | 1              |
| 15                  | armature complete . . . . .                            | 314C817G06           | 314C817G06    | 314C817G09    | 314C817G09    | 1              |
| 16                  | stationary magnet . . . . .                            | 314C816G01           | 314C816G01    | 314C816G04    | 314C816G04    | 1              |
| 17                  | shading coil . . . . .                                 | 1490 353             | 1490 353      | 1490 353      | 1490 353      | 2              |
| 18                  | base insulation . . . . .                              | 1490 398             | 1490 398      | 1502 701      | 1502 701      | 1              |
| 11                  | load terminal block (center) . . . . .                 |                      | 315C815G02    |               | 315C815G02    | 1              |
| 12A                 | terminal collar . . . . .                              |                      | 134A139H01    |               | 134A139H01    | 1              |
| 12B                 | terminal screw . . . . .                               |                      | 107A420H43    |               | 107A420H43    | 1              |
| 12A                 | load terminal collar (outer) . . . . .                 | 134A139H01(2)        | 134A139H01(2) | 134A139H01(4) | 134A139H01(4) | ( )            |
| 12B                 | terminal screw . . . . .                               | 107A420H43(2)        | 107A420H43(2) | 107A420H43(4) | 107A420H43(4) | ( )            |
| 19                  | type L-60 electrical interlock <sup>Δ</sup> . . . . .  | 1490 460             | 1490 460      | 1490 460      | 1490 460      | 1              |
| Δ                   | latch without coil . . . . .                           | 655D107G01           | 655D107G01    | 655D107G01    | 655D107G01    | 1              |
| 20                  | operating coil . . . . .                               | see page 1           | see page 1    | see page 1    | see page 1    | 1              |
| Δ                   | latch coil . . . . .                                   | see page 1           | see page 1    | see page 1    | see page 1    | 1              |
| Δ                   | contact kit—2 pole . . . . .                           | 1625 562(1)          |               | 1625 562(2)   | 1625 562(1)   | ( )            |
| Δ                   | contact kit—3 pole . . . . .                           |                      | 1625 564(1)   |               | 1625 564(1)   | ( )            |

parts indented are included in the part under which they are indented ( ) figure in parenthesis indicates number used

■ not supplied without coil; specify style number of coil desired Δ not illustrated

Δ one additional inboard and two outboard interlocks, style number 1490 456, may be added and are available for quick installation by the customer.

renewal  
parts data

**15-825 G3**

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**a-c magnetic Life-Linecontactor**