

AL9 - AL40, AL9Z - AL16Z

Non-reversing, mechanically interlocked, reversing DC operated, UL rated, 3 phase

Across the line
contactors

1



AL9-30-10-81



AL26-30-10-81



AL40-30-10-81

AL Contactors – 3W and 3.5W consumption

| General purpose current | UL motor switching current | Maximum motor horsepower ratings | | | | Standard Aux. contacts | | Non-reversing | | Mechanically interlocked | | Reversing | |
|-------------------------|----------------------------|----------------------------------|------|------|----------|------------------------|--------|--------------------------------|------------|----------------------------------|------------|----------------------------------|------------|
| | | 208V | 240V | 480V | 575/600V | NO | NC | Catalog number | List price | Catalog number | List price | Catalog number | List price |
| UL rated | | | | | | | | | | | | | |
| AC1 | | | | | | | | | | | | | |
| 21 | 9 | 2 | 2 | 5 | 7.5 | 1 0 | 0 1 | AL9-30-10-81 AL9-30-01-81 | \$ 110 | AL9M-30-10-81 AL9M-30-01-81 | \$ 319 | AL9R-30-10-81 AL9R-30-01-81 | \$ 379 |
| 25 | 11 | 3 | 3 | 7.5 | 10 | 1 0 | 0 1 | AL12-30-10-81 AL12-30-01-81 | 135 | AL12M-30-10-81 AL12M-30-01-81 | 417 | AL12R-30-10-81 AL12R-30-01-81 | 477 |
| 30 | 17 | 5 | 5 | 10 | 15 | 1 0 | 0 1 | AL16-30-10-81 AL16-30-01-81 | 150 | AL16M-30-10-81 AL16M-30-01-81 | 441 | AL16R-30-10-81 AL16R-30-01-81 | 501 |
| 40 | 28 | 7.5 | 10 | 20 | 25 | 1 0 | 0 1 | AL26-30-10-81 AL26-30-01-81 | 190 | AL26M-30-10-81 AL26M-30-01-81 | 473 | AL26R-30-10-81 AL26R-30-01-81 | 533 |
| 50 | 34 | 10 | 10 | 20 | 30 | 1 0 | 0 1 | AL30-30-10-81 AL30-30-01-81 | 260 | AL30M-30-10-81 AL30M-30-01-81 | 618 | AL30R-30-10-81 AL30R-30-01-81 | 678 |
| 60 | 42 | 10 | 15 | 30 | 40 | 1 0 | 0 1 | AL40-30-10-81 AL40-30-01-81 | 300 | AL40M-30-10-81 AL40M-30-01-81 | 715 | AL40R-30-10-81 AL40R-30-01-81 | 775 |

ALZ Contactors – 2.4W consumption

| General purpose current | UL motor switching current | Maximum motor horsepower ratings | | | | Standard Aux. contacts | | Non-reversing | | Mechanically interlocked | | Reversing | |
|-------------------------|----------------------------|----------------------------------|------|------|----------|------------------------|--------|----------------------------------|------------|------------------------------------|------------|------------------------------------|------------|
| | | 208V | 240V | 480V | 575/600V | NO | NC | Catalog number | List price | Catalog number | List price | Catalog number | List price |
| UL rated | | | | | | | | | | | | | |
| AC1 | | | | | | | | | | | | | |
| 21 | 9 | 2 | 2 | 5 | 7.5 | 1 0 | 0 1 | AL9Z-30-10-15 AL9Z-30-01-15 | \$ 110 | AL9ZM-30-10-15 AL9ZM-30-01-15 | \$ 319 | AL9ZR-30-10-15 AL9ZR-30-01-15 | \$ 379 |
| 25 | 11 | 3 | 3 | 7.5 | 10 | 1 0 | 0 1 | AL12Z-30-10-15 AL12Z-30-01-15 | 135 | AL12ZM-30-10-15 AL12ZM-30-01-15 | 417 | AL12ZR-30-10-15 AL12ZR-30-01-15 | 477 |
| 30 | 17 | 5 | 5 | 10 | 15 | 1 0 | 0 1 | AL16Z-30-10-15 AL16Z-30-01-15 | 150 | AL16ZM-30-10-15 AL16ZM-30-01-15 | 441 | AL16ZR-30-10-15 AL16ZR-30-01-15 | 501 |

Coil voltage selection

All DC operated catalog numbers include a 24VDC coil. To select other coil voltages, substitute the code from the Coil Voltage Selection Chart for the two digits after the last dash in the catalog number.

Ex.: A 48V coil is required for an AL30 contactor: AL30-30-10-83

Auxiliary contact blocks

For additional auxiliary contact blocks, see catalog number explanation on page 1.6. Add \$ 20 to list price for each additional auxiliary, and see page 1.18 for available combinations.

Coil voltage selection

| Hz | Contr. type | Volts | | | | | | | |
|----|-------------|-------|----|----|-----|-----|-----|-----|--|
| | | 12 | 24 | 48 | 110 | 125 | 220 | 240 | |
| DC | AL | 80 | 81 | 83 | 86 | 87 | 88 | 89 | |
| DC | AL...Z | | 15 | 28 | | | | | |

For other voltages, see page 1.26.

Mechanical interlock

Mechanically interlocked contactors are designed for reversing, 2 speed, reduced voltage, etc. type starter applications. The complete assembly consists of two mechanically and electrically interlocked contactors mounted as follows with line and load terminals:

- AL9 & AL16 — mounted on 35mm DIN rail
- AL26 & AL40 — mounted on common baseplate

Power wiring is not included.

The NC electrical interlock is provided

Reversing

Reversing contactors are designed for reversing type starter applications. The complete assembly consists of two mechanically and electrically interlocked contactors mounted with line and load terminals.

Ⓞ Only coil voltages available for AL9Z – AL16Z.