

AE9 – AF1650, AL9 – AL26

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



AE26N1-30-11-81



AF145N4-30-11-68



AF460N6R-11-68

AE & AF Contactors

| NEMA size | Continuous current | Maximum motor horsepower ratings | | | Standard Aux. contacts | | Non-reversing | | Mechanically interlocked | | Reversing | |
|-------------------|--------------------|----------------------------------|------|----------|------------------------|----|-----------------|------------|--------------------------|------------|----------------|------------|
| | | 200V | 230V | 460/575V | NO | NC | Catalog number | List price | Catalog number | List price | Catalog number | List price |
| NEMA rated | | | | | | | | | | | | |
| 00 | 9 | 1.5 | 1.5 | 2 | 1 | 0 | AE9N00-30-11-81 | \$ 118 | AE9N00M-11-81 | \$ 335 | AE9N00R-11-81 | \$ 395 |
| 0 | 18 | 3 | 3 | 5 | 1 | 0 | AE16N0-30-11-81 | 142 | AE16N0M-11-81 | 425 | AE16N0R-11-81 | 493 |
| 1 | 27 | 7.5 | 7.5 | 10 | 1 | 0 | AE26N1-30-11-81 | 223 | AE26N1M-11-81 | 485 | AE26N1R-11-81 | 560 |
| 2 | 45 | 10 | 15 | 25 | 1 | 1 | AE50N2-30-11-81 | 375 | AE50N2M-11-81 | 803 | AE50N2R-11-81 | 930 |
| 3 | 90 | 25 | 30 | 50 | 1 | 1 | AE75N3-30-11-81 | 518 | AE75N3M-11-81 | 1365 | AE75N3R-11-81 | 1493 |
| 4 | 135 | 40 | 50 | 100 | 1 | 1 | AF145N4-3011-70 | 1110 | AF145N4M-11-70 | 2655 | AF145N4R-11-70 | 2670 |
| 5 | 270 | 75 | 100 | 200 | 1 | 1 | AF260N5-3011-70 | 2235 | AF260N5M-11-70 | 5055 | AF260N5R-11-70 | 5070 |
| 6 | 540 | 150 | 200 | 400 | 1 | 1 | AF460N6-3011-70 | 4425 | AF460N6M-11-70 | 13,275 | AF460N6R-11-70 | 13,290 |
| 7 | 810 | — | 300 | 600 | 1 | 1 | AF750N7-3011-70 | 7200 | AF750N7M-11-70 | 19,725 | AF750N7R-11-70 | 19,740 |
| 8 | 1215 | — | 450 | 900 | 1 | 1 | AF1650N83011-70 | 10,230 | — | — | — | — |

AL Contactors

| NEMA size | Continuous current | Maximum motor horsepower ratings | | | Standard Aux. contacts | | Non-reversing | | Mechanically interlocked | | Reversing | |
|-------------------|--------------------|----------------------------------|------|----------|------------------------|----|-----------------|------------|--------------------------|------------|----------------|------------|
| | | 208V | 240V | 460/575V | NO | NC | Catalog number | List price | Catalog number | List price | Catalog number | List price |
| NEMA rated | | | | | | | | | | | | |
| 00 | 9 | 1.5 | 1.5 | 2 | 1 | 0 | AL9N00-30-10-81 | \$ 110 | AL9N00M-10-81 | \$ 319 | AL9N00R-10-81 | \$ 379 |
| 0 | 18 | 3 | 3 | 5 | 1 | 0 | AL16N0-30-10-81 | 150 | AL16N0M-10-81 | 441 | AL16N0R-10-81 | 501 |
| 1 | 27 | 7.5 | 7.5 | 10 | 1 | 0 | AL26N1-30-10-81 | 190 | AL26N1M-10-81 | 473 | AL26N1R-10-81 | 533 |

Coil voltage selection – AE contactors

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 125V coil is required for an AE75 contactor: AE75N3-30-11-87

Coil voltage selection – AF wide range AC/DC coils

All catalog numbers include a 100-250V AC/DC 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 24V coil is required for a AF145 contactor: AF145N4-30-11-72

Auxiliary contact blocks

For additional auxiliary contact blocks, see catalog number explanation on page 1.2. Add \$ 20 to list price for each additional auxiliary, and see page 1.18 for available combinations.

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:

- AE9 - AE16 — mounted on 35mm DIN rail
- AE26 - AE75 — mounted on common baseplate

Power wiring is not included.

For AE9 - AE75 contactors the NC electrical interlock is provided with the mechanical interlock.

Reversing

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

- AE9 - AE16 — mounted on 35mm DIN rail
- AE26 - AE75 — mounted on common baseplate

For AE9 - AE75 contactors the NC electrical interlock is provided with the mechanical interlock.

Coil voltage selection – AF50 to AF1650

| AC/DC VOLTS, 40 - 60 Hz | | | | |
|-------------------------|------------|----------------|-----------------|-----------------|
| 24 - 60 DC | 20 - 60 DC | 48 - 130 AC/DC | 100 - 250 AC/DC | 250 - 500 AC/DC |
| 68 ① | 72 ② | 69 | 70 ③ | 71 ③ |

Coil voltage selection – AE & AL contactors

| Hz | Contactor type | Volts | | | | | | |
|----|----------------|-------|----|----|-----|-----|-----|-----|
| | | 12 | 24 | 48 | 110 | 125 | 220 | 240 |
| DC | AE, AL | — | 81 | 83 | 86 | 87 | 88 | 89 |

① AF400 – AF750, DC only.
② AF50 – AF300, DC only.

③ AF400 - AF750 only.
④ Only option for AF1650.