

## Type DA & EHDB

### Mechanically interlocked

### 60 to 960 Amps



EHDB280M-1L

### 2 & 3 pole — 600 volt N.O. ratings with 300 volt N.C. dynamic braking rating

| Thermal<br>amp rating<br>500V (DA)<br>600V (EHDB) | Maximum amp rating<br>N.C. contact |       | Auxiliary contacts included<br>each contactor |                | 2 pole (2 N.O.)   |  | 3 pole (2 N.O. & 1 N.C.) |  |
|---------------------------------------------------|------------------------------------|-------|-----------------------------------------------|----------------|-------------------|--|--------------------------|--|
|                                                   | Make                               | Break | 3 Pole<br>N.O.                                | 2 Pole<br>N.C. | Catalog<br>number |  | Catalog<br>number        |  |
| 60                                                | 90                                 | 55    | 1 NO & 1 NC                                   | 1 NO & 1 NC    | DA75M-20-11-84    |  | DA75M-21A-11-84          |  |
| 220                                               | 450                                | 285   | 1 NO & 1 NC                                   | 1 NO & 1 NC    | EHDB220M2P-1L     |  | EHDB220M-1L              |  |
| 280                                               | 565                                | 363   | 1 NO & 1 NC                                   | 1 NO & 1 NC    | EHDB280M2P-1L     |  | EHDB280M-1L              |  |
| 380                                               | 728                                | 472   | 1 NO & 1 NC                                   | 1 NO & 1 NC    | EHDB360M2P-1L     |  | EHDB360M-1L              |  |
| 520                                               | 1040                               | 680   | 1 NO & 1 NC                                   | 1 NO & 1 NC    | EHDB520M2P-1L     |  | EHDB520M-1L              |  |
| 650                                               | 1300                               | 850   | 1 NO & 1 NC                                   | 1 NO & 1 NC    | EHDB650M2P-1L     |  | EHDB650M-1L              |  |
| 800                                               | 1600                               | 1050  | 1 NO & 1 NC                                   | 1 NO & 1 NC    | EHDB800M2P-1L     |  | EHDB800M-1L              |  |
| 950                                               | 1920                               | 1250  | 1 NO & 1 NC                                   | 1 NO & 1 NC    | EHDB960M2P-1L     |  | EHDB960M-1L              |  |

DA75 contactors are equipped with polarity dependent N.O. contacts. EHDB contactors are equipped with polarity dependent N.C. contacts.

### Description

EHDB mechanically interlocked drive contactors are designed for reversing applications. The complete assembly consists of two mechanically and electrically interlocked contactors supplied without control and power wiring. The coil voltage selection

### DC magnet coils (per contactor)

| Contactor<br>size   |  |
|---------------------|--|
| EHDB220M – EHDB280M |  |
| EHDB360M            |  |
| EHDB520M            |  |
| EHDB650M – EHDB960M |  |

### Coil voltage selection

#### Type DA

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 24V coil is required for an DA75M contactor: DA75M-20-11-**81**

#### Type EHDB

All catalog numbers include a 120V coil. To select other coil voltages, substitute the code from the coil voltage selection chart for the first digit after the dash in the catalog number.

Ex.: A 220V coil is required for an EHDB960M contactor: EHDB960M2P-**2L**

### Coil voltage selection chart – DA contactors

| Hz | Cntr<br>type | Volts |    |    |     |     |     |     |     |     |     |     |     |     |     |     |     |
|----|--------------|-------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|    |              | 12    | 24 | 48 | 110 | 120 | 125 | 208 | 220 | 240 | 277 | 380 | 415 | 440 | 480 | 500 | 600 |
| 60 | A            |       | 81 | 83 | 84  | 84  |     | 34  | 36  | 80  | 42  |     | 86  | 86  | 51  | 53  | 55  |
| 50 | A            |       | 81 | 83 | 84  |     |     |     | 80  |     |     | 85  | 86  |     |     | 55  |     |

NOTE: DC coils are available for DA75 contactors only.

For other voltages, see page 1.26.

### Coil voltage selection chart – EHDB contactors

|    | Volts |    |     |     |     |     |     |     |     |     |     |     |     |     |     |
|----|-------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|    | 24    | 48 | 110 | 120 | 125 | 208 | 220 | 240 | 277 | 380 | 415 | 440 | 480 | 500 | 600 |
| 60 | F     | G  |     | 1   |     | B   | 2   | 2   | C   |     |     | 3   | 4   |     | 6   |
| 50 | N     |    | 1   |     |     |     | J   |     |     | 3   | 4   |     |     | 6   |     |
| DC | Y     | W  | P   |     | Q   |     | R   |     |     |     |     |     |     |     |     |

NOTE: For other voltages, consult factory. • 24VAC coils are not available for sizes EHDB520 – EHDB960. • 48VAC coils are not available for sizes EHDB520 – EHDB960. For these 24V and 48V applications, use an interposing control relay. • 12VDC coils are not available for EHDB520 – EHDB960.