

# AF09 ... AF38 3-pole contactors

## 5 to 20 hp at 480 V AC

### AC / DC operated

2



AF09-30-10



AF26-30-00

#### Description

AF09 ... AF38 contactors are mainly used for controlling 3-phase motors and power circuits up to 690 V AC and 220 V DC. These contactors are of the block type design with 3 main poles.

- control circuit: AC or DC operated with electronic coil interface accepting a wide control voltage range (e.g. 100...250 V AC and DC), only 4 control voltage ranges covering 24...500V 50/60 Hz and 20...500 V DC
- can manage large control voltage variations
- reduced panel energy consumption
- very distinct closing and opening.
- built-in surge suppression
- add-on auxiliary contact blocks for front or side mounting and a wide range of accessories.

#### Ordering details

| IEC<br>Rated operational<br>power |           | UL/CSA<br>3-phase<br>motor<br>rating<br>480 V | General<br>use<br>rating<br>600 V AC | Rated control circuit<br>voltage<br>Uc min. ... Uc max. |           | Auxiliary<br>contacts<br>fitted | Catalog<br>number | Global reference<br>code | Weight<br>Pkg<br>(1 pce) |       |     |               |                 |       |
|-----------------------------------|-----------|---|--------------------------------------|---|-----------|---------------------------------|-------------------|--------------------------|--------------------------|-------|-----|---------------|-----------------|-------|
| 400 V<br>AC-3<br>kW               | AC-1<br>A | hp  | A                                    | V 50/60 Hz  | V DC      |                                 |                   |                          | kg                       |       |     |               |                 |       |
| 4                                 | 25        | 5   | 25                                   | 24...60   | -         | (1)                             | 1 0               | AF09-30-10-41            | 1SBL137001R4110          | 0.270 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 0 1               | AF09-30-01-41            | 1SBL137001R4101          | 0.270 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 1 0               | AF09-30-10-12            | 1SBL137001R1210          | 0.270 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 0 1               | AF09-30-01-12            | 1SBL137001R1201          | 0.270 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 1 0               | AF09-30-10-13            | 1SBL137001R1310          | 0.270 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 0 1               | AF09-30-01-13            | 1SBL137001R1301          | 0.270 |     |               |                 |       |
|                                   |           |   |                                      | 100...250   | 100...250 | 1 0                             | 1 0               | 250...500                | 250...500                | 1 0   | 0 1 | AF09-30-10-14 | 1SBL137001R1410 | 0.310 |
|                                   |           |   |                                      |   |           |                                 |                   |                          |                          |       | 0 1 | AF09-30-01-14 | 1SBL137001R1401 | 0.310 |
|                                   |           |   |                                      |   |           |                                 |                   |                          |                          |       | 1 0 | AF12-30-10-41 | 1SBL157001R4110 | 0.270 |
|                                   |           |   |                                      |   |           |                                 |                   |                          |                          |       | 0 1 | AF12-30-01-41 | 1SBL157001R4101 | 0.270 |
|                                   |           |   |                                      |   |           |                                 |                   |                          |                          |       | 1 0 | AF12-30-10-12 | 1SBL157001R1210 | 0.270 |
|                                   |           |   |                                      |   |           |                                 |                   |                          |                          |       | 0 1 | AF12-30-01-12 | 1SBL157001R1201 | 0.270 |
| 5.5                               | 28        | 7.5   | 28                                   | 24...60   | -         | (1)                             | 1 0               | AF12-30-10-13            | 1SBL157001R1310          | 0.270 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 0 1               | AF12-30-01-13            | 1SBL157001R1301          | 0.270 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 1 0               | AF12-30-10-14            | 1SBL157001R1410          | 0.310 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 0 1               | AF12-30-01-14            | 1SBL157001R1401          | 0.310 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 1 0               | AF16-30-10-41            | 1SBL177001R4110          | 0.270 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 0 1               | AF16-30-01-41            | 1SBL177001R4101          | 0.270 |     |               |                 |       |
| 7.5                               | 30        | 10  | 30                                   | 24...60   | -         | (1)                             | 1 0               | AF16-30-10-12            | 1SBL177001R1210          | 0.270 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 0 1               | AF16-30-01-12            | 1SBL177001R1201          | 0.270 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 1 0               | AF16-30-10-13            | 1SBL177001R1310          | 0.270 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 0 1               | AF16-30-01-13            | 1SBL177001R1301          | 0.270 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 1 0               | AF16-30-10-14            | 1SBL177001R1410          | 0.310 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 0 1               | AF16-30-01-14            | 1SBL177001R1401          | 0.310 |     |               |                 |       |
| 11                                | 45        | 15  | 45                                   | 24...60   | -         | (1)                             | 0 0               | AF16-30-10-14            | 1SBL177001R1410          | 0.310 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 0 0               | AF26-30-00-41            | 1SBL237001R4100          | 0.310 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 0 0               | AF26-30-00-12            | 1SBL237001R1200          | 0.310 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 0 0               | AF26-30-00-13            | 1SBL237001R1300          | 0.310 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 0 0               | AF26-30-00-14            | 1SBL237001R1400          | 0.350 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 0 0               | AF30-30-00-41            | 1SBL277001R4100          | 0.310 |     |               |                 |       |
| 15                                | 50        | 20  | 50                                   | 24...60   | -         | (1)                             | 0 0               | AF30-30-00-12            | 1SBL277001R1200          | 0.310 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 0 0               | AF30-30-00-13            | 1SBL277001R1300          | 0.310 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 0 0               | AF30-30-00-14            | 1SBL277001R1400          | 0.350 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 0 0               | AF38-30-00-41            | 1SBL297001R4100          | 0.310 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 0 0               | AF38-30-00-12            | 1SBL297001R1200          | 0.310 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 0 0               | AF38-30-00-13            | 1SBL297001R1300          | 0.310 |     |               |                 |       |
| 18.5                              | 50        | 20  | 50                                   | 24...60   | -         | (1)                             | 0 0               | AF38-30-00-14            | 1SBL297001R1400          | 0.350 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 0 0               | AF38-30-00-41            | 1SBL297001R4100          | 0.310 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 0 0               | AF38-30-00-12            | 1SBL297001R1200          | 0.310 |     |               |                 |       |
|                                   |           |   |                                      |   |           |                                 | 0 0               | AF38-30-00-13            | 1SBL297001R1300          | 0.310 |     |               |                 |       |

(1) For 24...60 V 50/60 Hz - 20...60 V DC, use AF.-30-.-11 (see voltage code table). AF.-30-.-11 not suitable for direct control by PLC-output.

#### Main dimensions mm, inches

