

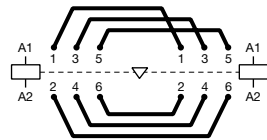
# AF09R ... AF30R 3-pole reversing contactors

## 5 to 20 hp at 480 V AC

### AC / DC operated



AF09R-30-22



Power bus diagram

#### Description

- AF09R ... AF30R reversing contactors are mainly used for directionally controlling 3-phase motor circuits up to 690V AC. These devices include two 3-pole contactors, a mechanical and electrical interlock, power bus (see diagram to the left), and are assembled using fixing clips.
- Note:** for mechanically and electrically interlocked devices without power bus, replace the R in the catalog number with an M (ie. AF09R-30-22-13 becomes AF09M-30-22-13).
- 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

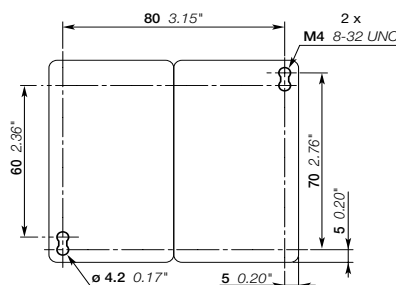
| IEC                           |                                                                  | UL/CSA                              |                                     | Rated control circuit voltage<br>Uc min. ... Uc max. |                                         | Auxiliary contacts fitted                                | Catalog number                                                                                                                               | Global reference code (3) | Weight<br>Pkg (1 pce)<br>kg                                          |
|-------------------------------|------------------------------------------------------------------|-------------------------------------|-------------------------------------|------------------------------------------------------|-----------------------------------------|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------------------------------|
| Rated operational power<br>kW | Rated operational current<br>$\theta \leq 40^\circ\text{C}$<br>A | 3-phase motor rating<br>480 V<br>hp | General use rating<br>600 V AC<br>A | V 50/60 Hz                                           | V DC                                    |                                                          |                                                                                                                                              |                           |                                                                      |
| 4                             | 25                                                               | 5                                   | 25                                  | 24...60<br>48...130<br>100...250<br>250...500        | -<br>48...130<br>100...250<br>250...500 | (1) 2 2<br>2 2<br>2 2<br>2 2                             | AF09R-30-22-41<br>AF09R-30-22-12<br>AF09R-30-22-13<br>AF09R-30-22-14                                                                         |                           | 0.622<br>0.622<br>0.622<br>0.702                                     |
| 5.5                           | 28                                                               | 7.5                                 | 28                                  | 24...60<br>48...130<br>100...250<br>250...500        | -<br>48...130<br>100...250<br>250...500 | (1) 2 2<br>2 2<br>2 2<br>2 2                             | AF12R-30-22-41<br>AF12R-30-22-12<br>AF12R-30-22-13<br>AF12R-30-22-14                                                                         |                           | 0.622<br>0.622<br>0.622<br>0.702                                     |
| 7.5                           | 30                                                               | 10                                  | 30                                  | 24...60<br>48...130<br>100...250<br>250...500        | -<br>48...130<br>100...250<br>250...500 | (1) 2 2<br>2 2<br>2 2<br>2 2                             | AF16R-30-22-41<br>AF16R-30-22-12<br>AF16R-30-22-13<br>AF16R-30-22-14                                                                         |                           | 0.622<br>0.622<br>0.622<br>0.702                                     |
| 11                            | 45                                                               | 15                                  | 45                                  | 24...60<br>48...130<br>100...250<br>250...500        | -<br>48...130<br>100...250<br>250...500 | (1) 0 2<br>2 2<br>0 2<br>2 2<br>0 2<br>2 2<br>0 2<br>2 2 | AF26R-30-02-41<br>AF26R-30-22-41<br>AF26R-30-02-12<br>AF26R-30-22-12<br>AF26R-30-02-13<br>AF26R-30-22-13<br>AF26R-30-02-14<br>AF26R-30-22-14 |                           | 0.757<br>0.785<br>0.757<br>0.785<br>0.757<br>0.785<br>0.837<br>0.865 |
| 15                            | 50                                                               | 20                                  | 50                                  | 24...60<br>48...130<br>100...250<br>250...500        | -<br>48...130<br>100...250<br>250...500 | (1) 0 2<br>2 2<br>0 2<br>2 2<br>0 2<br>2 2<br>0 2<br>2 2 | AF30R-30-02-41<br>AF30R-30-22-41<br>AF30R-30-02-12<br>AF30R-30-22-12<br>AF30R-30-02-13<br>AF30R-30-22-13<br>AF30R-30-02-14<br>AF30R-30-22-14 |                           | 0.757<br>0.785<br>0.757<br>0.785<br>0.757<br>0.785<br>0.837<br>0.865 |

(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.

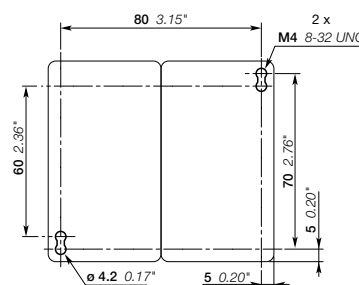
(2) Normally closed contacts included as part of the electrical interlock. Normally open auxiliaries are either integral or front-mount.

(3) Available in the US and Canada only.

#### Mounting dimensions mm, inches



AF09R, AF12R, AF16R



AF26R, AF30R