

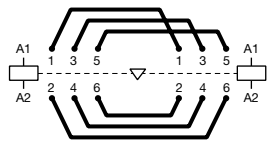
# AF40N2R & AF80N3R 3-pole NEMA rated reversing contactors

## Sizes 2 & 3

### AC / DC operated



AF40N2M-3022



Power bus diagram

#### Description

AF40N2R and AF80N3R NEMA rated reversing contactors are mainly used for directionally controlling 3-phase motor circuits up to 575V AC. These devices include two 3-pole contactors, a mechanical interlock, side-mounted auxiliary contacts for electrical interlocking, 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. AF40N2R-30-22-13 becomes AF40N2M-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

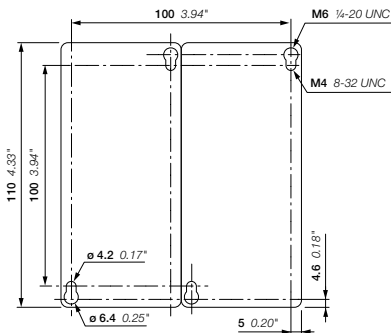
NEMA Size	Continuous current	3-phase motor rating		Rated control circuit voltage Uc min. ... Uc max.		Auxiliary contacts fitted (2)	Catalog number	Global reference code (3)	Weight Pkg (1 pce) kg
		230V	460/575	V 50/60 Hz	V DC				
2	45	15	25	24...60	-	2 2	AF40N2R-3022-41		2.283
				24...60	20...60 (1)	2 2	AF40N2R-3022-11		2.283
				48...130	48...130	2 2	AF40N2R-3022-12		2.283
				100...250	100...250	2 2	AF40N2R-3022-13		2.263
				250...500	250...500	2 2	AF40N2R-3022-14		2.263
3	90	30	50	24...60	-	2 2	AF80N3R-3022-41		2.858
				24...60	20...60 (1)	2 2	AF80N3R-3022-11		2.858
				48...130	48...130	2 2	AF80N3R-3022-12		2.858
				100...250	100...250	2 2	AF80N3R-3022-13		2.758
				250...500	250...500	2 2	AF80N3R-3022-14		2.758

(1) AF...-30...-11 not suitable for direct control by PLC-output.

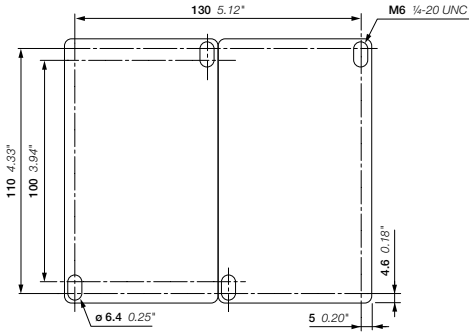
(2) Normally closed contacts included as part of the electrical interlock. Normally open auxiliaries are either integral or front-mount.

(3) Available in the US and Canada only.

#### Mounting dimensions mm, inches



AF40N2R



AF80N3R