

AF116R ... AF140R 3-pole reversing contactors

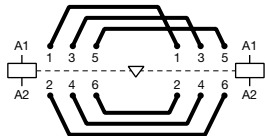
75 to 100 hp at 480 V AC

AC / DC operated

2



AF140R-30-22



Power bus diagram

Description

AF116R and AF140R 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 interlock, side-mounted auxiliary contacts for electrical interlocking, power bus (see diagram to the left), and are mounted on a backplate.

Note: for mechanically and electrically interlocked devices without power bus, replace the R in the catalog number with an M (ie. AF116R-30-22-13 becomes AF116M-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
- can withstand short voltage dips and voltage sags (SEMI F47-0706 conditions of use on request).
- Built-in surge suppression
- Add-on auxiliary contact blocks for side mounting and a wide range of accessories.

Ordering details

IEC		UL / CSA		Rated control circuit voltage		Auxiliary contacts fitted	Catalog number	Global reference code (1)	Weight Pkg (1 pce)
Rated operational power	current $\theta \leq 40\text{ }^{\circ}\text{C}$	3-phase motor rating 480 V	General use rating 600 V AC	Uc min. ... Uc max.					
400 V AC-3	AC-1					 			
kW	A	hp	A	V 50/60 Hz	V DC				kg (2)

For connection with built-in cable clamps

55	160	75	160	24...60	20...60	2	2	AF116R-30-22-11	
				48...130	48...130	2	2	AF116R-30-22-12	
				100...250	100...250	2	2	AF116R-30-22-13	
				250...500	250...500	2	2	AF116R-30-22-14	
75	200	100	200	24...60	20...60	2	2	AF140R-30-22-11	
				48...130	48...130	2	2	AF140R-30-22-12	
				100...250	100...250	2	2	AF140R-30-22-13	
				250...500	250...500	2	2	AF140R-30-22-14	

(1) Available in the US and Canada only.
(2) Available upon request.

Mounting dimensions mm, inches (upon request)