

AF400 ... AF750 3-pole contactors

350 to 600 hp at 480 V AC

AC / DC operated with 1 N.O. + 1 N.C. auxiliary contacts

Description

AF400 ... AF750 contactors are mainly used for controlling 3-phase motors and power circuits up to 1000 V AC or 600 V DC (2). 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 coils to cover control voltages between 48...500 V 50/60 Hz and 24...500 V DC
 - can manage large control voltage variations
 - reduced panel energy consumption
 - very distinct closing and opening
 - can withstand short voltage dips and voltages sags (SEMI F47 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

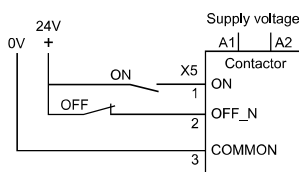
IEC	UL/CSA	Rated control circuit voltage Uc min. ... Uc max.	Auxiliary contacts fitted	Catalog number	Global reference code	Weight
Rated operational power 400 V AC-3 kW	3-phase motor rating 480 V hp	General use rating 600 V AC A				Pkg (1 pce) kg
current $\theta \leq 40^\circ\text{C}$ 690 V AC-1 A			V 50/60 Hz : V DC			
200	350	550	- 24...60 (1)	1 1	AF400-30-11-68	1SFL577001R6811 12.000
			48...130 48...130	1 1	AF400-30-11-69	1SFL577001R6911 12.000
			100...250 100...250	1 1	AF400-30-11-70	1SFL577001R7011 12.000
			250...500 250...500	1 1	AF400-30-11-71	1SFL577001R7111 12.000
250	400	650	- 24...60 (1)	1 1	AF460-30-11-68	1SFL597001R6811 12.000
			48...130 48...130	1 1	AF460-30-11-69	1SFL597001R6911 12.000
			100...250 100...250	1 1	AF460-30-11-70	1SFL597001R7011 12.000
			250...500 250...500	1 1	AF460-30-11-71	1SFL597001R7111 12.000
315	500	750	- 24...60 (1)	1 1	AF580-30-11-68	1SFL617001R6811 15.000
			48...130 48...130	1 1	AF580-30-11-69	1SFL617001R6911 15.000
			100...250 100...250	1 1	AF580-30-11-70	1SFL617001R7011 15.000
			250...500 250...500	1 1	AF580-30-11-71	1SFL617001R7111 15.000
400	600	900	- 24...60 (1)	1 1	AF750-30-11-68	1SFL637001R6811 15.000
			48...130 48...130	1 1	AF750-30-11-69	1SFL637001R6911 15.000
			100...250 100...250	1 1	AF750-30-11-70	1SFL637001R7011 15.000
			250...500 250...500	1 1	AF750-30-11-71	1SFL637001R7111 15.000

(1) The connection polarities indicated close to the coil terminals must be respected: A1 for the positive pole and A2 for the negative pole.

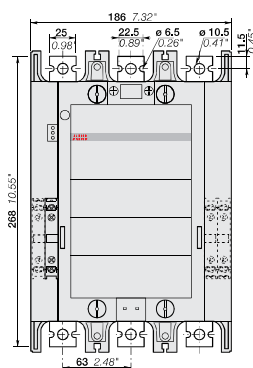
(2) Up to 850 V DC for AF580, AF750.

Control inputs

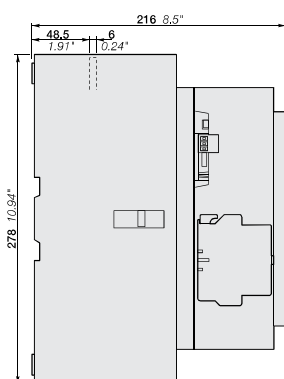
AF400 ... AF750 are equipped with low voltage inputs for control, for example by a PLC.



Main dimensions mm, inches



AF400, AF460



AF580, AF750

