

AF80 ... AF96 2-stack 3-pole contactors

37 to 45 kW

AC / DC operated



AF80-30-11

1SBC101017V0014



AF80-30-22

1SBC101007V0014

Description

AF80 ... AF96 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 (1st stack):

- 2nd stack with permanently fixed auxiliary contact block. The built-in auxiliary contact elements are mechanically linked (side-marked symbol) and the N.C. auxiliary contacts are mirror contacts
- 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...500 V 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 side mounting and a wide range of accessories.

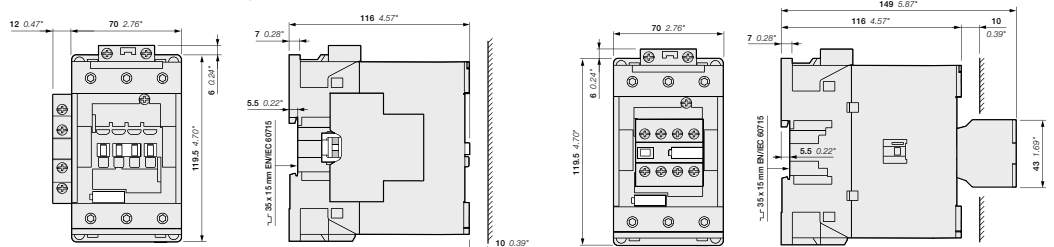
Ordering details

IEC	UL / CSA		Rated control circuit voltage Uc min. ... Uc max.	Auxiliary contacts fitted	Type (1)	Order code	Weight							
	Rated operational power 400 V AC-3 kW	Rated current θ ≤ 40 °C AC-1 A						3-phase motor rating 480 V hp	General use rating 600 V AC A	V 50/60 Hz	V DC	Pkg (1 pce)		
37	125	60	105	24...60	-	1 1	AF80-30-11-41	1SBL397001R4111	1.260					
							2 2	AF80-30-22-41	1SBL397001R4122	1.270				
							24...60	20...60 (2)	1 1	AF80-30-11-11	1SBL397001R1111	1.260		
									2 2	AF80-30-22-11	1SBL397001R1122	1.270		
							48...130	48...130	1 1	AF80-30-11-12	1SBL397001R1211	1.260		
									2 2	AF80-30-22-12	1SBL397001R1222	1.270		
									100...250	100...250	1 1	AF80-30-11-13	1SBL397001R1311	1.210
											2 2	AF80-30-22-13	1SBL397001R1322	1.220
							250...500	250...500	1 1	AF80-30-11-14	1SBL397001R1411	1.210		
									2 2	AF80-30-22-14	1SBL397001R1422	1.220		
45	130	60	115	24...60	-	1 1	AF96-30-11-41	1SBL407001R4111	1.260					
							2 2	AF96-30-22-41	1SBL407001R4122	1.270				
							24...60	20...60 (2)	1 1	AF96-30-11-11	1SBL407001R1111	1.260		
									2 2	AF96-30-22-11	1SBL407001R1122	1.270		
							48...130	48...130	1 1	AF96-30-11-12	1SBL407001R1211	1.260		
									2 2	AF96-30-22-12	1SBL407001R1222	1.270		
									100...250	100...250	1 1	AF96-30-11-13	1SBL407001R1311	1.210
											2 2	AF96-30-22-13	1SBL407001R1322	1.220
							250...500	250...500	1 1	AF96-30-11-14	1SBL407001R1411	1.210		
									2 2	AF96-30-22-14	1SBL407001R1422	1.220		

(1) For other auxiliary contacts arrangements, please contact your ABB local sales organization.

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

Main dimensions mm, inches



AF80, AF96-30-11-...

AF80, AF96-30-22-...

1SBC101742S0201 - Rev. A