

AF40 ... AF65 2-stack 3-pole contactors

18.5 to 30 kW

AC / DC operated



AF40-30-11

1SBC101005V0014

Description

AF40 ... AF65 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.

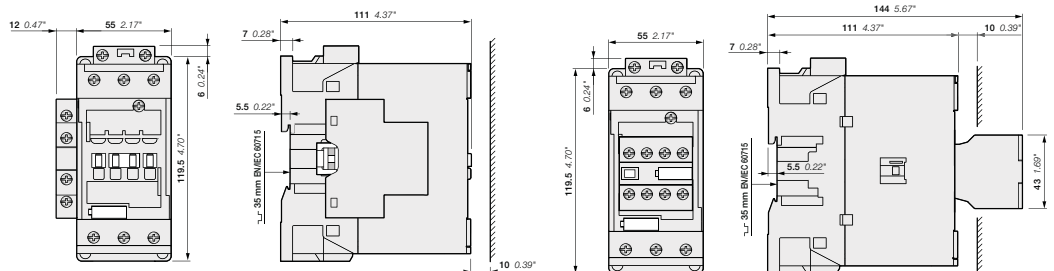
Ordering details

IEC	UL / CSA		Rated control circuit voltage Uc min. ... Uc max.	Auxiliary contacts fitted	Type (1)	Order code	Weight Pkg (1 pce)					
	Rated operational power	current						3-phase motor rating	General use rating			
400 V AC-3	AC-1	480 V	600 V AC				kg					
kW	A	hp	A	V 50/60 Hz	V DC							
18.5	70	30	60	24...60	-	1 1 AF40-30-11-41	1SBL347001R4111	1.010				
					2 2 AF40-30-22-41	1SBL347001R4122	1.020					
				24...60	20...60 (2)	1 1 AF40-30-11-11	1SBL347001R1111	1.010				
						2 2 AF40-30-22-11	1SBL347001R1122	1.020				
				48...130	48...130	1 1 AF40-30-11-12	1SBL347001R1211	1.010				
						2 2 AF40-30-22-12	1SBL347001R1222	1.020				
				100...250	100...250	1 1 AF40-30-11-13	1SBL347001R1311	0.990				
						2 2 AF40-30-22-13	1SBL347001R1322	1.000				
				250...500	250...500	1 1 AF40-30-11-14	1SBL347001R1411	0.990				
						2 2 AF40-30-22-14	1SBL347001R1422	1.000				
				22	100	40	80	24...60	-	1 1 AF52-30-11-41	1SBL367001R4111	1.010
									2 2 AF52-30-22-41	1SBL367001R4122	1.020	
24...60	20...60 (2)	1 1 AF52-30-11-11	1SBL367001R1111					1.010				
		2 2 AF52-30-22-11	1SBL367001R1122					1.020				
48...130	48...130	1 1 AF52-30-11-12	1SBL367001R1211					1.010				
		2 2 AF52-30-22-12	1SBL367001R1222					1.020				
100...250	100...250	1 1 AF52-30-11-13	1SBL367001R1311					0.990				
		2 2 AF52-30-22-13	1SBL367001R1322					1.000				
250...500	250...500	1 1 AF52-30-11-14	1SBL367001R1411					0.990				
		2 2 AF52-30-22-14	1SBL367001R1422					1.000				
30	105	50	90					24...60	-	1 1 AF65-30-11-41	1SBL387001R4111	1.010
									2 2 AF65-30-22-41	1SBL387001R4122	1.020	
				24...60	20...60 (2)	1 1 AF65-30-11-11	1SBL387001R1111	1.010				
						2 2 AF65-30-22-11	1SBL387001R1122	1.020				
				48...130	48...130	1 1 AF65-30-11-12	1SBL387001R1211	1.010				
						2 2 AF65-30-22-12	1SBL387001R1222	1.020				
				100...250	100...250	1 1 AF65-30-11-13	1SBL387001R1311	0.990				
						2 2 AF65-30-22-13	1SBL387001R1322	1.000				
				250...500	250...500	1 1 AF65-30-11-14	1SBL387001R1411	0.990				
						2 2 AF65-30-22-14	1SBL387001R1422	1.000				

(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



AF40, AF52, AF65-30-11-...

AF40, AF52, AF65-30-22-...

1SBC101741S0201 - Rev. A