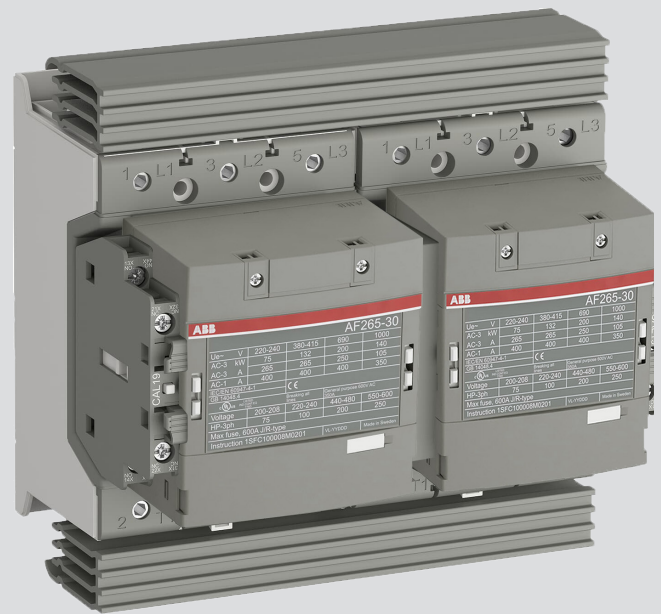


AF 3 pole reversing contactors

AC/DC Operated



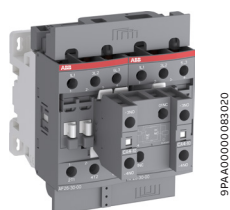
AF09R ... AF38R 3-pole reversing contactors

5 to 25 hp at 480 V AC

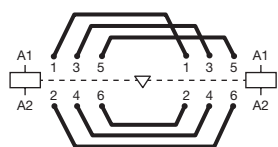
AC / DC operated



AF09-30-10



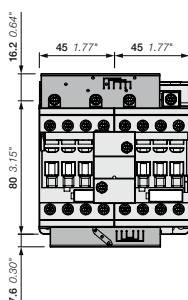
AF26-30-00



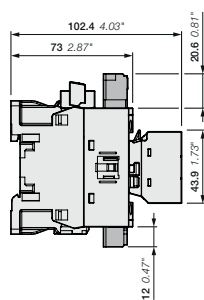
Power bus diagram

- AF09R ... AF38R reversing contactors are mainly used for directionally controlling 3-phase motor circuits up to 690 V AC. These devices include two 3-pole contactors, a mechanical and electrical interlock, power bus (see diagram to the left), and are assembled using fixing clips.
- 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 front or side mounting and a wide range of accessories.

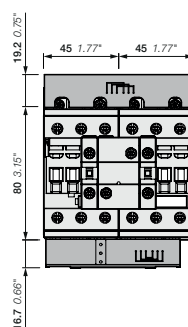
IEC		UL / CSA		Rated control circuit voltage Uc min. ... Uc max.		Auxiliary contacts fitted	Type	Order code	Weight Pkg (1 pce) kg
Rated operational power	current $\theta \leq 40^\circ\text{C}$	3-phase motor rating 480 V	General use rating 600 V AC	V 50/60 Hz	V DC				
400 V AC-3	AC-1	hp	A						
kW	A	hp	A						
4	25	5	25	24...60 48...130 100...250 250...500	20...60 48...130 100...250 250...500	2 2 2 2 2 2 2 2	AF09R-30-22-11 AF09R-30-22-12 AF09R-30-22-13 AF09R-30-22-14	1SBX202301R1122 1SBX202301R1222 1SBX202301R1322 1SBX202301R1422	0,382 0,382 0,382 0,422
5.5	28	7.5	28	24...60 48...130 100...250 250...500	20...60 48...130 100...250 250...500	2 2 2 2 2 2 2 2	AF12R-30-22-11 AF12R-30-22-12 AF12R-30-22-13 AF12R-30-22-14	1SBX203301R1122 1SBX203301R1222 1SBX203301R1322 1SBX203301R1422	0,382 0,392 0,382 0,422
7.5	30	10	30	24...60 48...130 100...250 250...500	20...60 48...130 100...250 250...500	2 2 2 2 2 2 2 2	AF16R-30-22-11 AF16R-30-22-12 AF16R-30-22-13 AF16R-30-22-14	1SBX204301R1122 1SBX204301R1222 1SBX204301R1322 1SBX204301R1422	0,382 0,382 0,382 0,422
11	45	15	45	24...60 48...130 100...250 250...500	20...60 48...130 100...250 250...500	2 2 2 2 2 2 2 2	AF26R-30-22-11 AF26R-30-22-12 AF26R-30-22-13 AF26R-30-22-14	1SBX205311R1122 1SBX205311R1222 1SBX205311R1322 1SBX205311R1422	0,445 0,445 0,425 0,485
15	50	20	50	24...60 48...130 100...250 250...500	20...60 48...130 100...250 250...500	2 2 2 2 2 2 2 2	AF30R-30-22-11 AF30R-30-22-12 AF30R-30-22-13 AF30R-30-22-14	1SBX206311R1122 1SBX206311R1222 1SBX206311R1322 1SBX206311R1422	0,468 0,470 0,461 0,513
18.5	50	25	50	24...60 48...130 100...250 250...500	20...60 48...130 100...250 250...500	2 2 2 2 2 2 2 2	AF38R-30-22-11 AF38R-30-22-12 AF38R-30-22-13 AF38R-30-22-14	1SBX207311R1122 1SBX207311R1222 1SBX207311R1322 1SBX207311R1422	0,471 0,470 0,464 0,485



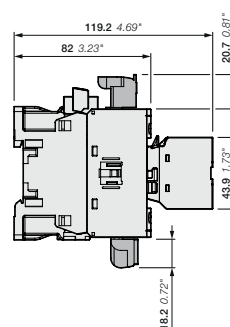
AF09, AF12, AF16



Main dimensions mm, inches



AF26, AF30, AF38

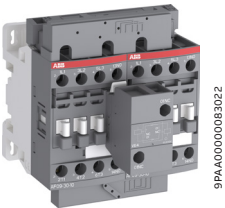




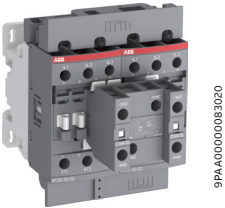
AF09ZR ... AF38ZR 3-pole reversing contactors

5 to 25 hp at 480 V AC

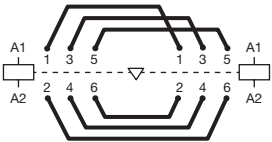
AC / DC operated - Low Consumption



AF09-30-10



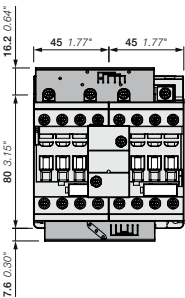
AF26-30-00



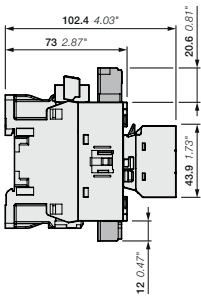
Power bus diagram

- AF09ZR ... AF38ZR reversing contactors are mainly used for directionally controlling 3-phase motor circuits up to 690 V AC. These devices include two 3-pole contactors, a mechanical and electrical interlock, power bus (see diagram to the left), and are assembled using fixing clips.
- control circuit: AC or DC operated with electronic coil interface accepting a wide control voltage range : 24 ... 60 V AC and DC with low consumption
 - can manage large control voltage variations
 - allow direct control by PLC output >24 V DC / 500 mA
 - 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 front or side mounting and a wide range of accessories.

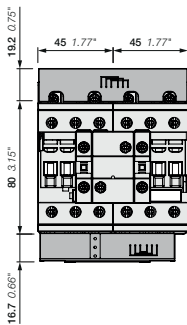
IEC		UL / CSA		Rated control circuit voltage Uc min. ... Uc max.		Auxiliary contacts fitted	Type	Order code	Weight
Rated power	operational current θ ≤ 40 °C	3-phase motor rating 480 V	General use rating 600 V AC						Pkg (1 pce)
400 V AC-3 kW	AC-1 A	hp	A	V 50/60 Hz	V DC				kg
4	25	5	25	24...60	20...60	2 2	AF09ZR-30-22-21	1SBX202301R2122	0.422
5.5	28	7.5	28	24...60	20...60	2 2	AF12ZR-30-22-21	1SBX203301R2122	0.432
7.5	30	10	30	24...60	20...60	2 2	AF16ZR-30-22-21	1SBX204301R2122	0.422
11	45	15	45	24...60	20...60	2 2	AF26ZR-30-22-21	1SBX205311R2122	0.487
15	50	20	50	24...60	20...60	2 2	AF30ZR-30-22-21	1SBX206311R2122	0.496
18.5	50	25	50	24...60	20...60	2 2	AF38ZR-30-22-21	1SBX207311R2122	0.515



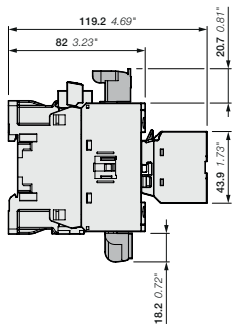
AF09, AF12, AF16



Main dimensions mm, inches



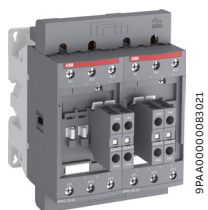
AF26, AF30, AF38



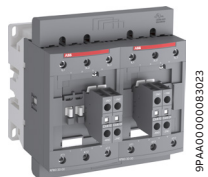
AF40R ... AF96R 3-pole reversing contactors

30 to 60/75 hp at 480 V AC

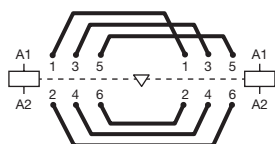
AC / DC operated



AF40-30-00



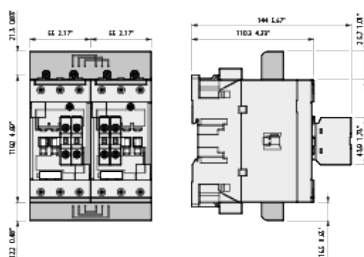
AF80-30-00



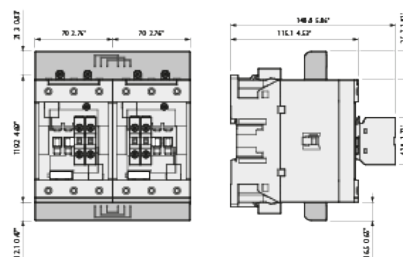
Power bus diagram

- AF40R ... AF96R reversing contactors are mainly used for directionally controlling 3-phase motor circuits up to 690 V AC. These devices include two 3-pole contactors, a mechanical and electrical interlock, power bus (see diagram to the left), and are assembled using fixing clips.
- 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 front or side mounting and a wide range of accessories.

IEC		UL / CSA		Rated control circuit voltage		Auxiliary contacts fitted	Type	Order code	Weight
Rated operational power	Rated operational current $\theta \leq 40^\circ\text{C}$	3-phase motor rating 480 V	General use rating 600 V AC	Uc min. ... Uc max.					
400 V AC-3	A	hp	A	V 50/60 Hz	V DC				Pkg (1 pce)
kW									kg
18.5	70	30	60	24...60	20...60	2 2	AF40R-30-22-11	1SBX208321R1122	1.289
				48...130	48...130	2 2	AF40R-30-22-12	1SBX208321R1222	1.281
				100...250	100...250	2 2	AF40R-30-22-13	1SBX208321R1322	1.142
				250...500	250...500	2 2	AF40R-30-22-14	1SBX208321R1422	1.252
22	100	40	80	24...60	20...60	2 2	AF52R-30-22-11	1SBX209321R1122	1.291
				48...130	48...130	2 2	AF52R-30-22-12	1SBX209321R1222	1.282
				100...250	100...250	2 2	AF52R-30-22-13	1SBX209321R1322	1.134
				250...500	250...500	2 2	AF52R-30-22-14	1SBX209321R1422	1.235
30	105	50	90	24...60	20...60	2 2	AF65R-30-22-11	1SBX210321R1122	1.269
				48...130	48...130	2 2	AF65R-30-22-12	1SBX210321R1222	1.286
				100...250	100...250	2 2	AF65R-30-22-13	1SBX210321R1322	1.155
				250...500	250...500	2 2	AF65R-30-22-14	1SBX210321R1422	1.280
37	125	60	105	24...60	20...60	2 2	AF80R-30-22-11	1SBX211321R1122	1.497
				48...130	48...130	2 2	AF80R-30-22-12	1SBX211321R1222	1.591
				100...250	100...250	2 2	AF80R-30-22-13	1SBX211321R1322	1.581
				250...500	250...500	2 2	AF80R-30-22-14	1SBX211321R1422	1.570
45/55	130	60/75	115	24...60	20...60	2 2	AF96R-30-22-11	1SBX212321R1122	1.508
				48...130	48...130	2 2	AF96R-30-22-12	1SBX212321R1222	1.594
				100...250	100...250	2 2	AF96R-30-22-13	1SBX212321R1322	1.579
				250...500	250...500	2 2	AF96R-30-22-14	1SBX212321R1422	1.578



AF40, AF52, AF65



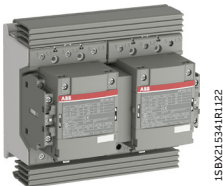
AF80, AF96

Main dimensions mm, inches

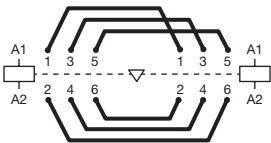
AF116R ... AF140R 3-pole reversing contactors

75 to 100 hp at 480 V AC

AC / DC operated



AF140R-30



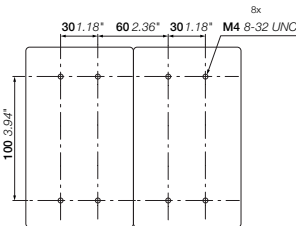
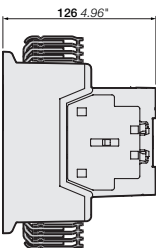
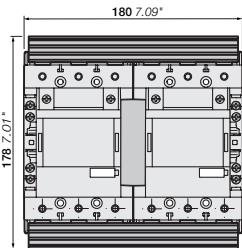
Power bus diagram

- AF116R and AF140R reversing contactors are mainly used for directionally controlling 3-phase motor circuits up to 690 V 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.
- 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
 - can withstand short voltage dips and voltage 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.

IEC		UL / CSA		Rated control circuit voltage Uc min. ... Uc max.		Auxiliary contacts fitted	Type	Order code	Weight
Rated operational power	current θ ≤ 40 °C	3-phase motor rating 480 V	General use rating 600 V AC						
400 V									kg
AC-3	AC-1			V 50/60 Hz	V DC				
kW	A	hp	A						

For connection with built-in cable clamps

55	160	75	160	24...60	20...60	2 2	AF116R-30-22-11	1SBX214341R1122	4.25
				48...130	48...130	2 2	AF116R-30-22-12	1SBX214341R1222	4.25
				100...250	100...250	2 2	AF116R-30-22-13	1SBX214341R1322	4.25
				250...500	250...500	2 2	AF116R-30-22-14	1SBX214341R1422	4.25
75	200	100	200	24...60	20...60	2 2	AF140R-30-22-11	1SBX215341R1122	4.25
				48...130	48...130	2 2	AF140R-30-22-12	1SBX215341R1222	4.25
				100...250	100...250	2 2	AF140R-30-22-13	1SBX215341R1322	4.25
				250...500	250...500	2 2	AF140R-30-22-14	1SBX215341R1422	4.25



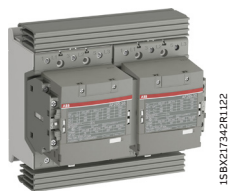
AF116R, AF140R

Main dimensions mm, inches

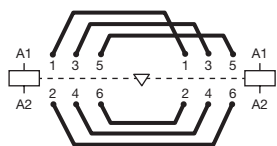
AF190R ... AF305R 3-pole reversing contactors

125 to 250 hp at 480 V AC

AC / DC operated



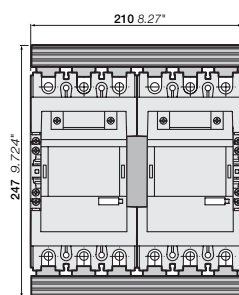
AF265R-30



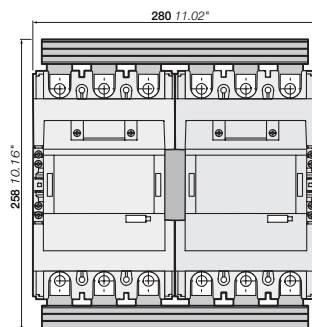
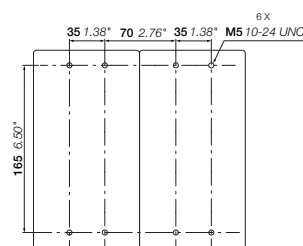
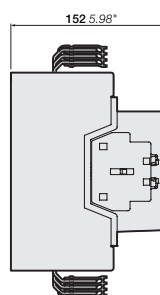
Power bus diagram

- AF190R ... AF305R reversing contactors are mainly used for directionally controlling 3-phase motor circuits up to 690 V 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.
- 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
 - can withstand short voltage dips and voltage 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.

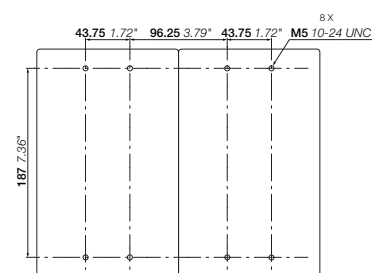
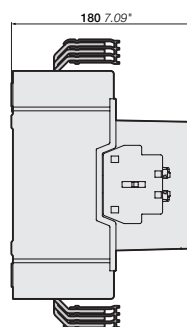
IEC		UL / CSA		Rated control circuit voltage Uc min. ... Uc max.		Auxiliary contacts fitted	Type	Order code	Weight Pkg (1 pce) kg
Rated operational power	current $\theta \leq 40^\circ\text{C}$	3-phase motor rating 480 V	General use rating 600 V AC	V 50/60 Hz	V DC				
400 V AC-3 kW	AC-1 A	hp	A						
90	275	125	250	24...60	20...60	2 2	AF190R-30-22-11	1SBX217342R1122	7.4
				48...130	48...130	2 2	AF190R-30-22-12	1SBX217342R1222	7.4
				100...250	100...250	2 2	AF190R-30-22-13	1SBX217342R1322	7.4
				250...500	250...500	2 2	AF190R-30-22-14	1SBX217342R1422	7.4
110	350	150	300	24...60	20...60	2 2	AF205R-30-22-11	1SBX218342R1122	7.4
				48...130	48...130	2 2	AF205R-30-22-12	1SBX218342R1222	7.4
				100...250	100...250	2 2	AF205R-30-22-13	1SBX218342R1322	7.4
				250...500	250...500	2 2	AF205R-30-22-14	1SBX218342R1422	7.4
132	400	200	350	24...60	20...60	2 2	AF265R-30-22-11	1SBX220342R1122	11.6
				48...130	48...130	2 2	AF265R-30-22-12	1SBX220342R1222	11.6
				100...250	100...250	2 2	AF265R-30-22-13	1SBX220342R1322	11.6
				250...500	250...500	2 2	AF265R-30-22-14	1SBX220342R1422	11.6
160	500	250	400	24...60	20...60	2 2	AF305R-30-22-11	1SBX221342R1122	11.6
				48...130	48...130	2 2	AF305R-30-22-12	1SBX221342R1222	11.6
				100...250	100...250	2 2	AF305R-30-22-13	1SBX221342R1322	11.6
				250...500	250...500	2 2	AF305R-30-22-14	1SBX221342R1422	11.6



AF190R, AF205R



AF265R, AF305R



Main dimensions mm, inches

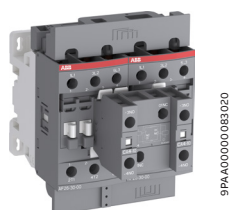
AF09N00R ... AF26N1R 3-pole reversing contactors

Sizes 0 & 1

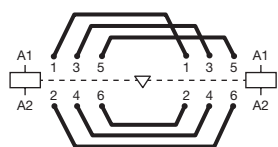
AC / DC operated



AF09-30-10



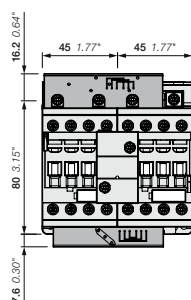
AF26-30-00



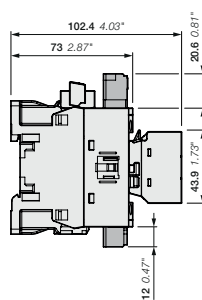
Power bus diagram

- AF09N..R ... AF26N..R reversing contactors are mainly used for directionally controlling 3-phase motor circuits up to 690 V AC. These devices include two 3-pole contactors, a mechanical and electrical interlock, power bus (see diagram to the left), and are assembled using fixing clips.
- 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 front or side mounting and a wide range of accessories.

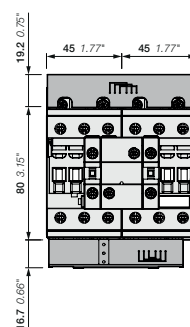
NEMA ratings					Rated control circuit voltage Uc min. ... Uc max.	Auxiliary contacts fitted	Type	Order code	Weight	
NEMA sizes	Continuous current	Rated control circuit maximum motor horsepower rating								Pkg (1 pce)
		200 V	230 V	460 / 575 V						
00	9	0.5	0.5	2	24...60	20...60	2 2	AF09N00R-30-22-11	1SBX302301R1122	0.392
					48...130	48...130	2 2	AF09N00R-30-22-12	1SBX302301R1222	0.392
					100...250	100...250	2 2	AF09N00R-30-22-13	1SBX302301R1322	0.392
					250...500	250...500	2 2	AF09N00R-30-22-14	1SBX302301R1422	0.432
0	18	3	3	5	24...60	20...60	2 2	AF12N0R-30-22-11	1SBX303301R1122	0.392
					48...130	48...130	2 2	AF12N0R-30-22-12	1SBX303301R1222	0.392
					100...250	100...250	2 2	AF12N0R-30-22-13	1SBX303301R1322	0.392
					250...500	250...500	2 2	AF12N0R-30-22-14	1SBX303301R1422	0.432
1	27	7.5	7.5	10	24...60	20...60	2 2	AF26N1R-30-22-11	1SBX304311R1122	0.445
					48...130	48...130	2 2	AF26N1R-30-22-12	1SBX304311R1222	0.445
					100...250	100...250	2 2	AF26N1R-30-22-13	1SBX304311R1322	0.445
					250...500	250...500	2 2	AF26N1R-30-22-14	1SBX304311R1422	0.485



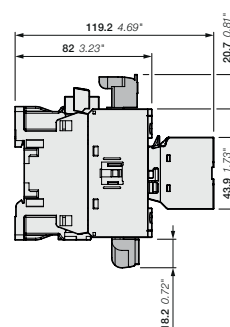
AF09, AF12, AF16



Main dimensions mm, inches



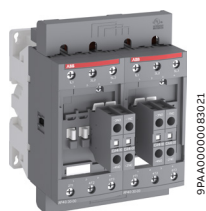
AF26, AF30, AF38



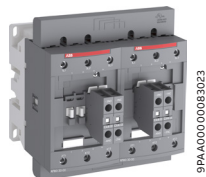
AF40N2R ... AF80N3R 3-pole reversing contactors

Sizes 2 & 3

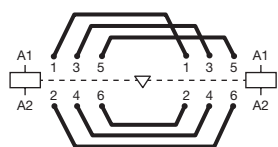
AC / DC operated



AF40-30-00



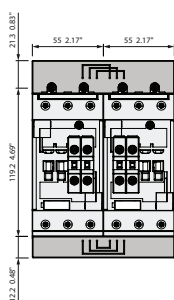
AF80-30-00



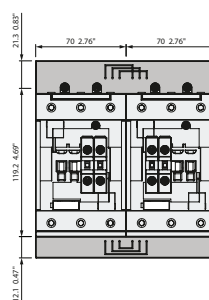
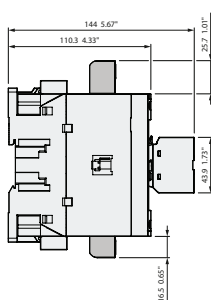
Power bus diagram

- AF40N2R ... AF80N3R reversing contactors are mainly used for directionally controlling 3-phase motor circuits up to 690 V AC. These devices include two 3-pole contactors, a mechanical and electrical interlock, power bus (see diagram to the left), and are assembled using fixing clips.
- 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 front or side mounting and a wide range of accessories.

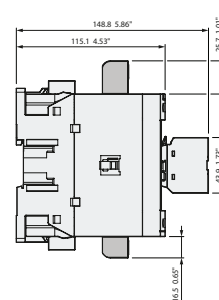
NEMA ratings					Rated control circuit voltage Uc min. ... Uc max.		Auxiliary contacts fitted	Type	Order code	Weight Pkg (1 pce) kg
NEMA sizes	Continuous current	Rated control circuit maximum motor horsepower rating								
		200 V	230 V	460 / 575 V	V 50/60 Hz	V DC				
2	45	10	15	25	24...60	20...60	2 2	AF40N2R-30-22-11	1SBX305321R1122	1.173
					48...130	48...130	2 2	AF40N2R-30-22-12	1SBX305321R1222	1.173
					100...250	100...250	2 2	AF40N2R-30-22-13	1SBX305321R1322	1.153
					250...500	250...500	2 2	AF40N2R-30-22-14	1SBX305321R1422	1.153
3	90	25	30	50	24...60	20...60	2 2	AF80N3R-30-22-11	1SBX306321R1122	1.493
					48...130	48...130	2 2	AF80N3R-30-22-12	1SBX306321R1222	1.493
					100...250	100...250	2 2	AF80N3R-30-22-13	1SBX306321R1322	1.443
					250...500	250...500	2 2	AF80N3R-30-22-14	1SBX306321R1422	1.443



AF40, AF52, AF65



AF80, AF96

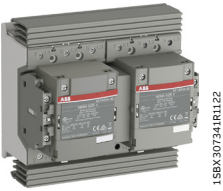


Main dimensions mm, inches

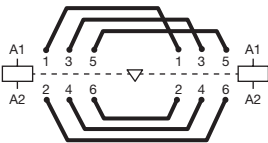
AF140N4R & AF265N5R 3-pole NEMA rated reversing contactors

Sizes 4 & 5

AC / DC operated



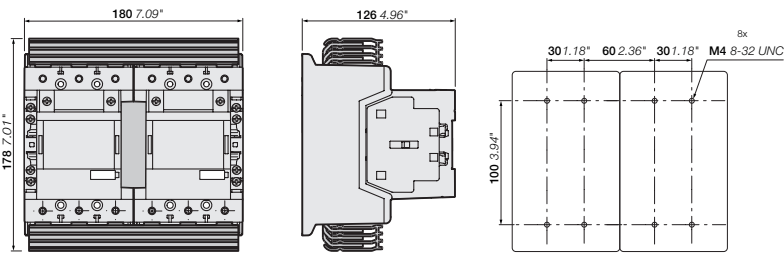
AF140N4R-30



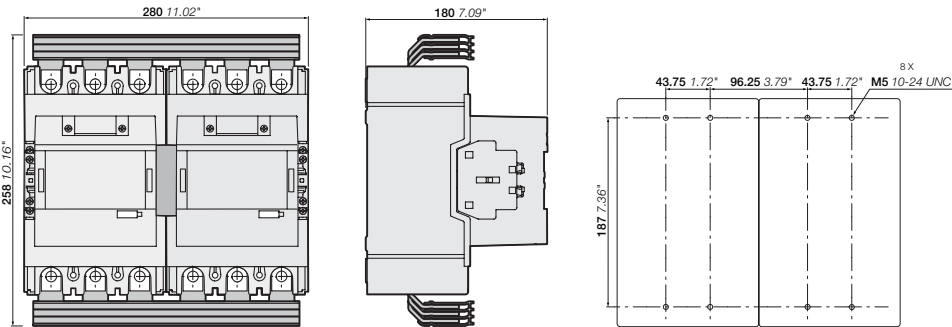
Power bus diagram

- AF140N4 and AF265N5 NEMA rated contactors are mainly used for directionally controlling 3-phase motor circuits up to 575 V 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.
- 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
 - can withstand short voltage dips and voltage 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.

NEMA ratings					Rated control circuit voltage		Auxiliary contacts fitted	Type	Order code	Weight	
NEMA sizes	Continuous current	Rated control circuit maximum motor horsepower rating			Uc min. ... Uc max.						Pkg (1 pce)
		200 V	230 V	460 / 575 V	V 50/60 Hz	V DC					
4	135	40	50	100	24...60	20...60	2 2	AF140N4R-30-22-11	1SBX307341R1122	4.25	
					48...130	48...130	2 2	AF140N4R-30-22-12	1SBX307341R1222	4.25	
					100...250	100...250	2 2	AF140N4R-30-22-13	1SBX307341R1322	4.25	
					250...500	250...500	2 2	AF140N4R-30-22-14	1SBX307341R1422	4.25	
5	270	75	100	200	24...60	20...60	2 2	AF265N5R-30-22-11	1SBX308342R1122	11.6	
					48...130	48...130	2 2	AF265N5R-30-22-12	1SBX308342R1222	11.6	
					100...250	100...250	2 2	AF265N5R-30-22-13	1SBX308342R1322	11.6	
					250...500	250...500	2 2	AF265N5R-30-22-14	1SBX308342R1422	11.6	



AF140N4R



AF265N5R

Main dimensions mm, inches

ABB France

2 rue d'Arsonval
F-69687 Chassieu cedex / France

ABB STOTZ-KONTAKT GmbH

Eppelheimer Straße 82
69123 Heidelberg, Germany

ABB AB

ABB Electrification Sweden AB
Motor Starting and Safety
721 61 Västerås, Sweden

**You can find the address of your local sales organization
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