

A145 ... A300 3-pole contactors

75 to 160 kW

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



A185-30-11

1SFC101029F0201



A300-30-11

1SFC101030F0201

Description

A145 ... A300 contactors are mainly used for controlling 3-phase motors and power circuits up to 690 / 1000 V AC (2) or 220 V DC.

These contactors are of the block type design with:

- 3 main poles
- control circuit: AC operated
- add-on auxiliary contact blocks for side mounting and a wide range of accessories.

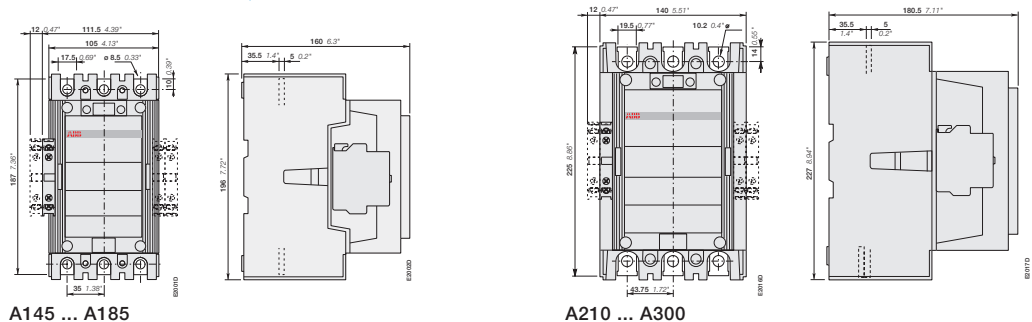
Ordering details

IEC Rated power 400 V AC-3 kW	operational current $\theta \leq 40^\circ\text{C}$ 690 V AC-1 A	UL/CSA 3-phase motor rating 480 V hp	General use rating 600 V AC A	Rated control circuit voltage Uc (1)		Auxiliary contacts fitted	Type	Order code	Weight Pkg (1 pce) kg
				V 50 Hz	V 60 Hz				
75	250	100	230	24	24	1 1	A145-30-11	1SFL471001R8111	3.500
				48	48	1 1	A145-30-11	1SFL471001R8311	3.500
				110	110...120	1 1	A145-30-11	1SFL471001R8411	3.500
				220...230	230...240	1 1	A145-30-11	1SFL471001R8011	3.500
				230...240	240...260	1 1	A145-30-11	1SFL471001R8811	3.500
				380...400	400...415	1 1	A145-30-11	1SFL471001R8511	3.500
				400...415	415...440	1 1	A145-30-11	1SFL471001R8611	3.500
90	275	125	250	24	24	1 1	A185-30-11	1SFL491001R8111	3.500
				48	48	1 1	A185-30-11	1SFL491001R8311	3.500
				110	110...120	1 1	A185-30-11	1SFL491001R8411	3.500
				220...230	230...240	1 1	A185-30-11	1SFL491001R8011	3.500
				230...240	240...260	1 1	A185-30-11	1SFL491001R8811	3.500
				380...400	400...415	1 1	A185-30-11	1SFL491001R8511	3.500
				400...415	415...440	1 1	A185-30-11	1SFL491001R8611	3.500
110	350	150	300	24	24	1 1	A210-30-11	1SFL511001R8111	6.100
				48	48	1 1	A210-30-11	1SFL511001R8311	6.100
				110	110...120	1 1	A210-30-11	1SFL511001R8411	6.100
				220...230	230...240	1 1	A210-30-11	1SFL511001R8011	6.100
				230...240	240...260	1 1	A210-30-11	1SFL511001R8811	6.100
				380...400	400...415	1 1	A210-30-11	1SFL511001R8511	6.100
				400...415	415...440	1 1	A210-30-11	1SFL511001R8611	6.100
140	400	200	350	24	24	1 1	A260-30-11	1SFL531001R8111	6.100
				48	48	1 1	A260-30-11	1SFL531001R8311	6.100
				110	110...120	1 1	A260-30-11	1SFL531001R8411	6.100
				220...230	230...240	1 1	A260-30-11	1SFL531001R8011	6.100
				230...240	240...260	1 1	A260-30-11	1SFL531001R8811	6.100
				380...400	400...415	1 1	A260-30-11	1SFL531001R8511	6.100
				400...415	415...440	1 1	A260-30-11	1SFL531001R8611	6.100
160	500	250	400	24	24	1 1	A300-30-11	1SFL551001R8111	6.100
				48	48	1 1	A300-30-11	1SFL551001R8311	6.100
				110	110...120	1 1	A300-30-11	1SFL551001R8411	6.100
				220...230	230...240	1 1	A300-30-11	1SFL551001R8011	6.100
				230...240	240...260	1 1	A300-30-11	1SFL551001R8811	6.100
				380...400	400...415	1 1	A300-30-11	1SFL551001R8511	6.100
				400...415	415...440	1 1	A300-30-11	1SFL551001R8611	6.100

(1) Other control voltages see voltage code table.

(2) 690 V AC for A210 ... A300, 1000 V AC for A145, A185.

Main dimensions mm, inches



A145 ... A185

A210 ... A300

1SFC101009C0201

AF145 ... AF300 3-pole contactors

75 to 160 kW

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



AF185-30-11

1SFC101023FC0201



AF300-30-11

1SFC101044F201

Description

AF145 ... AF300 contactors are mainly used for controlling 3-phase motors and power circuits up to 690 / 1000 V AC (2) or 220 V DC.

These contactors are of the block type design with:

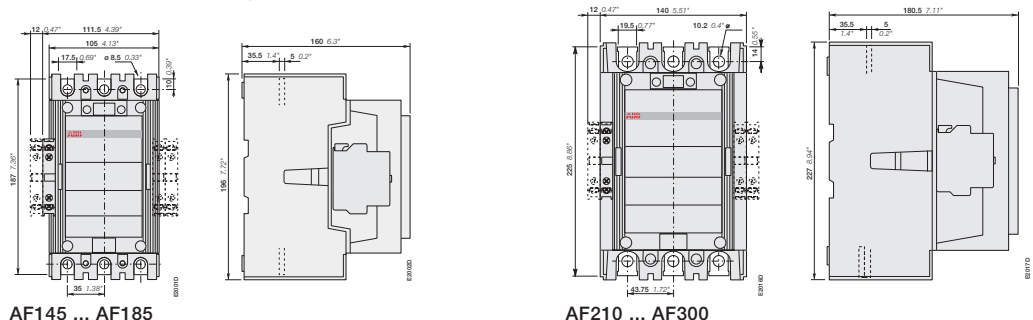
- 3 main poles
- control circuit: AC or DC operated with electronic coil interface accepting a wide control voltage range (e.g. 100...250 V AC and DC)
 - can manage large control voltage variations
 - only 3 coils to cover control voltages between 48...250 V 50/60 Hz and 20...250 V DC
 - reduced panel 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 Rated power 400 V AC-3 kW	operational current $\theta \leq 40^\circ\text{C}$ 690 V AC-1 A	UL/CSA 3-phase motor rating 480 V hp	General use rating 600 V AC A	Rated control circuit voltage Uc min. ... Uc max.		Auxiliary contacts fitted	Type	Order code	Weight Pkg (1 pce) kg
				V 50/60 Hz	V DC				
75	250	100	230	-	20...60	1 1	AF145-30-11	1SFL477001R7211 (1)	3.600
				48...130	48...130	1 1	AF145-30-11	1SFL477001R6911	3.600
				100...250	100...250	1 1	AF145-30-11	1SFL477001R7011	3.600
90	275	125	250	-	20...60	1 1	AF185-30-11	1SFL497001R7211 (1)	3.600
				48...130	48...130	1 1	AF185-30-11	1SFL497001R6911	3.600
				100...250	100...250	1 1	AF185-30-11	1SFL497001R7011	3.600
110	350	150	300	-	20...60	1 1	AF210-30-11	1SFL517001R7211 (1)	6.200
				48...130	48...130	1 1	AF210-30-11	1SFL517001R6911	6.200
				100...250	100...250	1 1	AF210-30-11	1SFL517001R7011	6.200
140	400	200	350	-	20...60	1 1	AF260-30-11	1SFL537001R7211 (1)	6.200
				48...130	48...130	1 1	AF260-30-11	1SFL537001R6911	6.200
				100...250	100...250	1 1	AF260-30-11	1SFL537001R7011	6.200
160	500	250	400	-	20...60	1 1	AF300-30-11	1SFL557001R7211 (1)	6.200
				48...130	48...130	1 1	AF300-30-11	1SFL557001R6911	6.200
				100...250	100...250	1 1	AF300-30-11	1SFL557001R7011	6.200

(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) 690 V AC for AF210 ... AF300, 1000 V AC for AF145, AF185.

Main dimensions mm, inches



AF145 ... AF185

AF210 ... AF300

1SFC101011C0201