

AF190 ... AF370 3-pole contactors

90 to 200 kW

AC / DC operated



AF205-30-00



AF370-30-00

Description

AF190 ... AF370 contactors are mainly used for controlling 3-phase motors and power circuits up to 1000 V AC and 340 V DC. These contactors are of the block type design with 3 main poles.

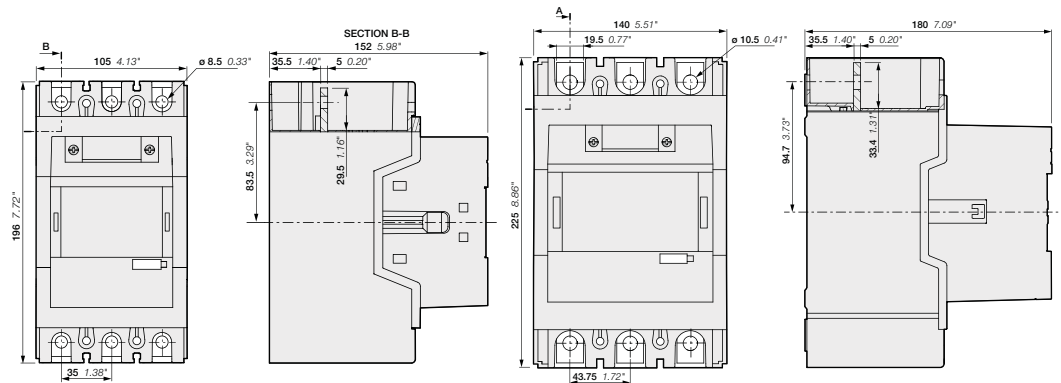
- control circuit: AC or DC operated with electronic coil interface accepting a wide control voltage range (e.g. 100...250 V AC and DC), only 4 coils to cover control voltages between 24...500 V 50/60 Hz and 20...500 V DC
 - can manage large control voltage variations
 - reduced panel energy consumption
 - 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.

Ordering details

IEC		UL / CSA		Rated control circuit voltage		Auxiliary contacts fitted	Type (1)	Order code	Weight
Rated operational power	current $\theta \leq 40^\circ\text{C}$	3-phase motor rating	General use rating	Uc min. ... Uc max.					Pkg (1 pce)
400 V AC-3	AC-1	480 V	600 V AC	V 50/60 Hz:	V DC				kg
kW	A	hp	A						
90	275	125	250	24...60	20...60	0 0	AF190-30-00-11	1SFL487002R1100	3,000
				48...130	48...130	0 0	AF190-30-00-12	1SFL487002R1200	3,000
				100...250	100...250	0 0	AF190-30-00-13	1SFL487002R1300	3,000
				250...500	250...500	0 0	AF190-30-00-14	1SFL487002R1400	3,000
110	350	150	300	24...60	20...60	0 0	AF205-30-00-11	1SFL527002R1100	3,000
				48...130	48...130	0 0	AF205-30-00-12	1SFL527002R1200	3,000
				100...250	100...250	0 0	AF205-30-00-13	1SFL527002R1300	3,000
				250...500	250...500	0 0	AF205-30-00-14	1SFL527002R1400	3,000
132	400	200	350	24...60	20...60	0 0	AF265-30-00-11	1SFL547002R1100	4,605
				48...130	48...130	0 0	AF265-30-00-12	1SFL547002R1200	4,605
				100...250	100...250	0 0	AF265-30-00-13	1SFL547002R1300	4,605
				250...500	250...500	0 0	AF265-30-00-14	1SFL547002R1400	4,605
160	500	250	400	24...60	20...60	0 0	AF305-30-00-11	1SFL587002R1100	4,605
				48...130	48...130	0 0	AF305-30-00-12	1SFL587002R1200	4,605
				100...250	100...250	0 0	AF305-30-00-13	1SFL587002R1300	4,605
				250...500	250...500	0 0	AF305-30-00-14	1SFL587002R1400	4,605
200	600	300	520	24...60	20...60	0 0	AF370-30-00-11	1SFL607002R1100	4,605
				48...130	48...130	0 0	AF370-30-00-12	1SFL607002R1200	4,605
				100...250	100...250	0 0	AF370-30-00-13	1SFL607002R1300	4,605
				250...500	250...500	0 0	AF370-30-00-14	1SFL607002R1400	4,605

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

Main dimensions mm, inches



AF190, AF205

AF265, AF305, AF370

AF190 ... AF370 3-pole contactors with built-in PLC interface

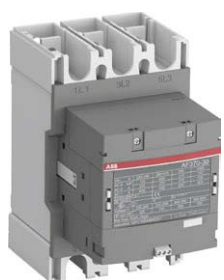
90 to 200 kW

AC / DC operated



1SFC101167V0001

AF205-30-00



1SFC101132V0001

AF370-30-00

Description

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- 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 2 coils to cover control voltages between 100...500 V 50/60 Hz and 100...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.

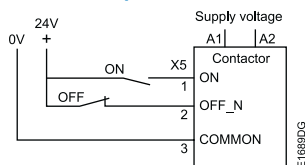
Ordering details

IEC		UL / CSA		Rated control circuit voltage		Auxiliary contacts fitted		Type (1)	Order code	Weight
Rated operational power	current $\theta \leq 40^\circ\text{C}$	3-phase motor rating	General use rating	Uc min. ... Uc max.		I Y L				Pkg (1 pce)
400 V AC-3	AC-1	hp	A	V 50/60 Hz	V DC					kg
90	275	125	250	100...250	100...250	0	0	AF190-30-00-33	1SFL487002R3300	3.000
				250...500	250...500	0	0	AF190-30-00-34	1SFL487002R3400	3.000
110	350	150	300	100...250	100...250	0	0	AF205-30-00-33	1SFL527002R3300	3.000
				250...500	250...500	0	0	AF205-30-00-34	1SFL527002R3400	3.000
132	400	200	350	100...250	100...250	0	0	AF265-30-00-33	1SFL547002R3300	4.605
				250...500	250...500	0	0	AF265-30-00-34	1SFL547002R3400	4.605
160	500	250	400	100...250	100...250	0	0	AF305-30-00-33	1SFL587002R3300	4.605
				250...500	250...500	0	0	AF305-30-00-34	1SFL587002R3400	4.605
200	600	300	520	100...250	100...250	0	0	AF370-30-00-33	1SFL607002R3300	4.605
				250...500	250...500	0	0	AF370-30-00-34	1SFL607002R3400	4.605

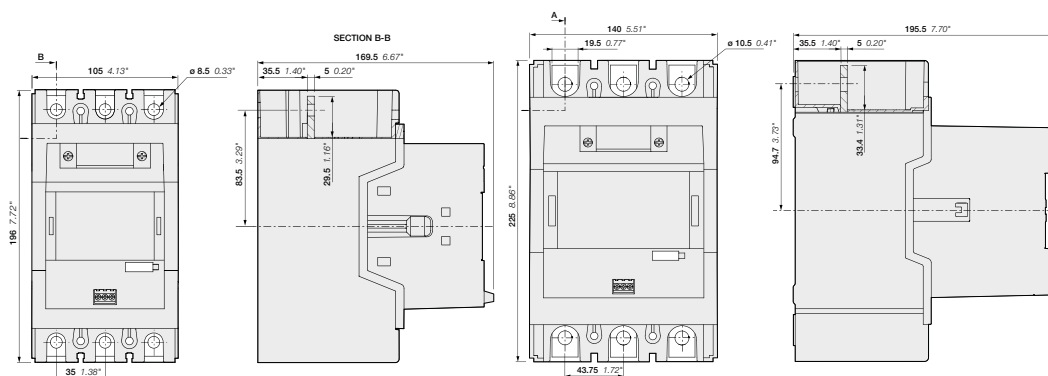
(1) For other auxiliary contacts arrangements, please contact your ABB local sales organization.

AF190 ... AF370 are equipped with low voltage inputs for control, for example by a PLC.

Control inputs



Main dimensions mm, inches



AF190, AF205

AF265, AF305, AF370

1SFC101165C0201 - Rev. A