

# AF190 ... AF370 3-pole contactors

## 90 to 200 kW

### AC / DC operated with 2 N.O. + 2 N.C. auxiliary contacts



AF205-30-22



AF370-30-22

#### Description

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

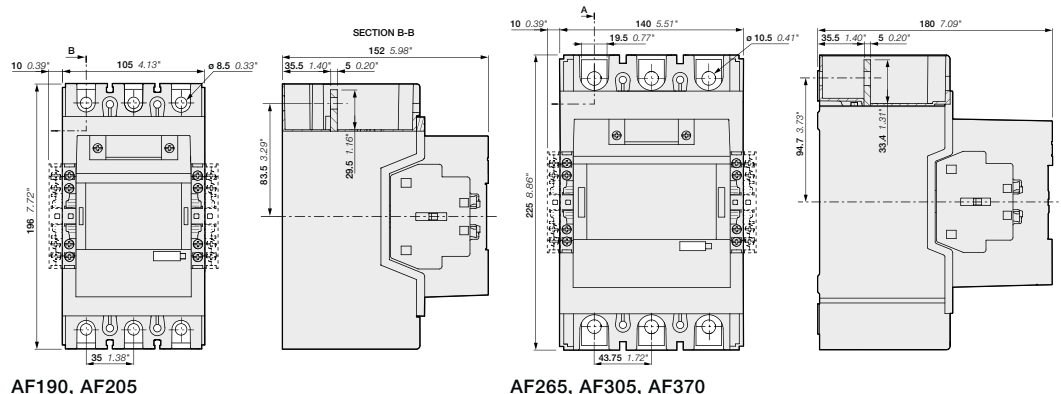
- control circuit: AC or DC operated with electronic coil interface accepting a wide control voltage range (e.g. 100...250 V AC and DC), only 4 coils to cover control voltages between 24...500 V 50/60 Hz and 20...500 V DC
  - can manage large control voltage variations
  - reduced panel energy consumption
  - 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							kg
kW	A	hp	A	V 50/60 Hz	V DC					
90	275	125	250	24...60	20...60	2	2	AF190-30-22-11	1SFL487002R1122	3,000
				48...130	48...130	2	2	AF190-30-22-12	1SFL487002R1222	3,000
				100...250	100...250	2	2	AF190-30-22-13	1SFL487002R1322	3,000
				250...500	250...500	2	2	AF190-30-22-14	1SFL487002R1422	3,000
110	350	150	300	24...60	20...60	2	2	AF205-30-22-11	1SFL527002R1122	3,000
				48...130	48...130	2	2	AF205-30-22-12	1SFL527002R1222	3,000
				100...250	100...250	2	2	AF205-30-22-13	1SFL527002R1322	3,000
				250...500	250...500	2	2	AF205-30-22-14	1SFL527002R1422	3,000
132	400	200	350	24...60	20...60	2	2	AF265-30-22-11	1SFL547002R1122	4,675
				48...130	48...130	2	2	AF265-30-22-12	1SFL547002R1222	4,675
				100...250	100...250	2	2	AF265-30-22-13	1SFL547002R1322	4,675
				250...500	250...500	2	2	AF265-30-22-14	1SFL547002R1422	4,675
160	500	250	400	24...60	20...60	2	2	AF305-30-22-11	1SFL587002R1122	4,675
				48...130	48...130	2	2	AF305-30-22-12	1SFL587002R1222	4,675
				100...250	100...250	2	2	AF305-30-22-13	1SFL587002R1322	4,675
				250...500	250...500	2	2	AF305-30-22-14	1SFL587002R1422	4,675
200	600	300	520	24...60	20...60	2	2	AF370-30-22-11	1SFL607002R1122	4,675
				48...130	48...130	2	2	AF370-30-22-12	1SFL607002R1222	4,675
				100...250	100...250	2	2	AF370-30-22-13	1SFL607002R1322	4,675
				250...500	250...500	2	2	AF370-30-22-14	1SFL607002R1422	4,675

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

#### Main dimensions mm, inches



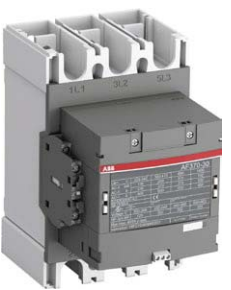
# AF190 ... AF370 3-pole contactors with built-in PLC interface

## 90 to 200 kW

### AC / DC operated with 2 N.O. + 2 N.C. auxiliary contacts



AF205-30-22



AF370-30-22

#### 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.

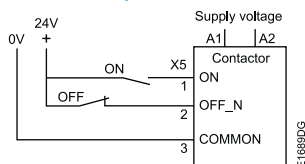
#### Ordering details

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.					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	2	2	AF190-30-22-33	1SFL487002R3322	3.000
				250...500	250...500	2	2	AF190-30-22-34	1SFL487002R3422	3.000
110	350	150	300	100...250	100...250	2	2	AF205-30-22-33	1SFL527002R3322	3.000
				250...500	250...500	2	2	AF205-30-22-34	1SFL527002R3422	3.000
132	400	200	350	100...250	100...250	2	2	AF265-30-22-33	1SFL547002R3322	4.675
				250...500	250...500	2	2	AF265-30-22-34	1SFL547002R3422	4.675
160	500	250	400	100...250	100...250	2	2	AF305-30-22-33	1SFL587002R3322	4.675
				250...500	250...500	2	2	AF305-30-22-34	1SFL587002R3422	4.675
200	600	300	520	100...250	100...250	2	2	AF370-30-22-33	1SFL607002R3322	4.675
				250...500	250...500	2	2	AF370-30-22-34	1SFL607002R3422	4.675

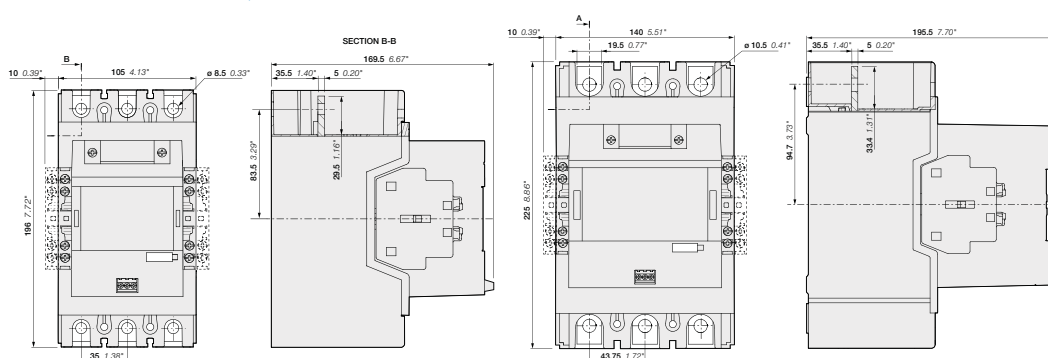
(1) For other auxiliary contacts arrangements, please contact your ABB local sales organization.

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

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