

AF09 ... AF30 3-pole Contactors - AF..Z Additional Coils

AC / DC Operated - with Screw Terminals



25 to 50A
5 to 20 HP



AF09Z-30-10



AF26Z-30-00



CA4-10



CAL4-11

Application

AF09Z ... AF30Z contactors are used for controlling power circuits up to 600 V AC and 240 V DC. They are mainly used for controlling 3-phase motors, non-inductive or slightly inductive loads.

Description

- **AF09Z ... AF30Z** contactors include an electronic coil interface accepting a wide control voltage U_c min. ... U_c max and managing large control voltage variations.
- **AF..Z** contactors cover control voltages comprised between 24...250 V 50/60 Hz or 12...250 V DC
- **AF..Z** contactors allow direct control by PLC-output ≥ 24 V DC 500 mA and obtain a reduced holding coil consumption.
- **AF..Z** contactors withstand short dips and voltage interruptions (SEMI F47-0706 compliance)
- **AF..Z** contactors have built-in surge protection and do not require additional surge suppressors
- The built-in N.C. auxiliary contact is a mirror contact in compliance with annex F of IEC 60947-4-1.

Ordering Details

UL/CSA General purpose rating	UL/CSA Motor ratings, HP					Control voltage Range U_c min. ... U_c max.		Auxiliary contacts fitted		Catalog number	List price	Weight Pack ^(ing) 1 piece kg/lbs
	1-phase 120 V	240 V	200 -240 V	440 -480 V	550 -600 V	V 50/60 Hz	V DC					
A	0.75	1.5	2	5	7.5	-	12..20	1	0	AF09Z-30-10-20		0.31/0.68
						-	12..20	0	1	AF09Z-30-01-20		0.31/0.68
						24..60	20..60	1	0	AF09Z-30-10-21		0.31/0.68
						24..60	20..60	0	1	AF09Z-30-01-21		0.31/0.68
						48..130	48..130	1	0	AF09Z-30-10-22		0.31/0.68
						48..130	48..130	0	1	AF09Z-30-01-22		0.31/0.68
						100..250	100..250	1	0	AF09Z-30-10-23		0.31/0.68
					100..250	100..250	0	1	AF09Z-30-01-23		0.31/0.68	
28	1	2	3	7.5	10	-	12..20	1	0	AF12Z-30-10-20		0.31/0.68
						-	12..20	0	1	AF12Z-30-01-20		0.31/0.68
						24..60	20..60	1	0	AF12Z-30-10-21		0.31/0.68
						24..60	20..60	0	1	AF12Z-30-01-21		0.31/0.68
						48..130	48..130	1	0	AF12Z-30-10-22		0.31/0.68
						48..130	48..130	0	1	AF12Z-30-01-22		0.31/0.68
						100..250	100..250	1	0	AF12Z-30-10-23		0.31/0.68
					100..250	100..250	0	1	AF12Z-30-01-23		0.31/0.68	
30	1.5	3	5	10	15	-	12..20	1	0	AF16Z-30-10-20		0.31/0.68
						-	12..20	0	1	AF16Z-30-01-20		0.31/0.68
						24..60	20..60	1	0	AF16Z-30-10-21		0.31/0.68
						24..60	20..60	0	1	AF16Z-30-01-21		0.31/0.68
						48..130	48..130	1	0	AF16Z-30-10-22		0.31/0.68
						48..130	48..130	0	1	AF16Z-30-01-22		0.31/0.68
						100..250	100..250	1	0	AF16Z-30-10-23		0.31/0.68
					100..250	100..250	0	1	AF16Z-30-01-23		0.31/0.68	
45	2	3	7.5	15	20	-	12..20	0	0	AF26Z-30-00-20		0.35/0.77
						24..60	20..60	0	0	AF26Z-30-00-21		0.35/0.77
						48..130	48..130	0	0	AF26Z-30-00-22		0.35/0.77
						100..250	100..250	0	0	AF26Z-30-00-23		0.35/0.77
50	2	5	10	20	-	-	12..20	0	0	AF30Z-30-00-20		0.35/0.77
						24..60	20..60	0	0	AF30Z-30-00-21		0.35/0.77
						48..130	48..130	0	0	AF30Z-30-00-22		0.35/0.77
						100..250	100..250	0	0	AF30Z-30-00-23		0.35/0.77

Note: Only AF..Z contactors with DC control voltage 12...20 V DC need to respect the connection polarities indicated close to the coil terminals: A1+ for the positive pole and A2- for the negative pole

Auxiliary contact block

For contactors	Positioning	Auxiliary contacts		Catalog number	List price	Weight Pack ^(ing) 1 piece kg/lbs
AF09 ... AF30	Front	1	0	CA4-10		0.014/0.03
	Front	0	1	CA4-01		0.014/0.03
	Side	1	1	CAL4-11		0.040/0.09