

AF38-30-00-.. / AF38Z-30-00-.. 3-pole Contactors AC / DC Operated - with Screw Terminals

AF38(Z) contactors are used for controlling power circuits up to 690 V AC and 220 V DC.

They are mainly used for controlling 3-phase motors, non-inductive or slightly inductive loads.

- AF.(Z) contactors include an electronic coil interface providing reduced pull-in and holding consumption, particularly for AC control circuits
- Only four coils are needed to cover control voltages between 24...500 V 50/60 Hz or 20...500 V DC.

AF..(Z) offer extended operating limits and are suitable worldwide for different control voltages. e.g.: the coil 100...250 V 50/60 Hz - DC is suitable for Europe (230 V 50 Hz) and for North America (120 V 60 Hz and 208 V 60 Hz).

AF..(Z) contactors can manage large control voltage variations

- AF..Z contactors equipped with a 24...60 V 50/60 Hz - 20...60 V DC coil allow direct control by 24 V DC 500 mA PLC-output
- AF..Z contactors withstand short voltage dips and voltage sags (SEMI F47-0706 compliance)
- AF..(Z) contactors have built-in surge protection and do not require additional surge suppressors.



		18.5 kW 20 hp
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3D CAD outline drawings available on «Control Product 3D» portal

Ordering Details

IEC Rated power	UL/CSA 3-phase motor rating	Control voltage Uc min. ... Uc max.	Main contacts	Auxiliary contacts fitted	Type	Order code	EAN	Weight
400 V	480 V							Pack ^(ing)
AC-3 kW	hp	V 50/60 Hz V DC						1 piece kg

3-pole Contactors

18.5	20	24...60	20...60	3	0	0	0	AF38-30-00-11	1SBL 297 001 R1100	3471523111516	0,310
		48...130	48...130	3	0	0	0	AF38-30-00-12	1SBL 297 001 R1200	3471523111523	0,310
		100...250	100...250	3	0	0	0	AF38-30-00-13	1SBL 297 001 R1300	3471523111530	0,310
		250...500	250...500	3	0	0	0	AF38-30-00-14	1SBL 297 001 R1400	3471523111547	0,350

Note: AF38-30-00-11 not suitable for a direct control by PLC-output. AF38-30-00-11 available in some countries: please consult your ABB representative.

3-pole Contactors - Low Consumption

18.5	20	-	12...20	3	0	0	0	AF38Z-30-00-20	1SBL 296 001 R2000	3471523114708	0.350
		24...60	20...60	3	0	0	0	AF38Z-30-00-21	1SBL 296 001 R2100	3471523114715	0.350
		48...130	48...130	3	0	0	0	AF38Z-30-00-22	1SBL 296 001 R2200	3471523114722	0.350
		100...250	100...250	3	0	0	0	AF38Z-30-00-23	1SBL 296 001 R2300	3471523114739	0.350

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

Certifications and Approvals

