

AF09 ... AF38 3-pole contactors

4 to 18.5 kW

AC / DC operated



AF09-30-10



AF26-30-00

Description

AF09 ... AF38 contactors are mainly used for controlling 3-phase motors and power circuits up to 690 V AC and 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), only 4 control voltage ranges covering 24...500V 50/60 Hz and 20...500 V DC
- can manage large control voltage variations
- reduced panel energy consumption
- very distinct closing and opening.
- built-in surge suppression
- add-on auxiliary contact blocks for front or 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	3-phase motor rating	General use rating	Uc min. ... Uc max.						Pkg (1 pce)				
400 V AC-3	$\theta \leq 40^\circ\text{C}$	480 V	600 V AC	V 50/60 Hz	V DC					kg				
kW	A	hp	A											
4	25	5	25	24...60	-	(2)	1 0	AF09-30-10-41	1SBL137001R4110	0.270				
							0 1	AF09-30-01-41	1SBL137001R4101	0.270				
							1 0	AF09-30-10-12	1SBL137001R1210	0.270				
							0 1	AF09-30-01-12	1SBL137001R1201	0.270				
							1 0	AF09-30-10-13	1SBL137001R1310	0.270				
							0 1	AF09-30-01-13	1SBL137001R1301	0.270				
				100...250	100...250	1 0	1 0	250...500	250...500	1 0	1 0	AF09-30-10-14	1SBL137001R1410	0.310
											0 1	AF09-30-01-14	1SBL137001R1401	0.310
											1 0	AF12-30-10-41	1SBL157001R4110	0.270
											0 1	AF12-30-01-41	1SBL157001R4101	0.270
											1 0	AF12-30-10-12	1SBL157001R1210	0.270
											0 1	AF12-30-01-12	1SBL157001R1201	0.270
5.5	28	7.5	28	24...60	-	(2)	1 0	AF12-30-10-13	1SBL157001R1310	0.270				
							0 1	AF12-30-01-13	1SBL157001R1301	0.270				
							1 0	AF12-30-10-14	1SBL157001R1410	0.310				
							0 1	AF12-30-01-14	1SBL157001R1401	0.310				
							1 0	AF16-30-10-41	1SBL177001R4110	0.270				
							0 1	AF16-30-01-41	1SBL177001R4101	0.270				
7.5	30	10	30	48...130	48...130	1 0	1 0	AF16-30-10-12	1SBL177001R1210	0.270				
							0 1	AF16-30-01-12	1SBL177001R1201	0.270				
							1 0	AF16-30-10-13	1SBL177001R1310	0.270				
							0 1	AF16-30-01-13	1SBL177001R1301	0.270				
							1 0	AF16-30-10-14	1SBL177001R1410	0.310				
							0 1	AF16-30-01-14	1SBL177001R1401	0.310				
11	45	15	45	24...60	-	(2)	0 0	AF16-30-01-12	1SBL177001R1201	0.270				
							0 0	AF16-30-01-13	1SBL177001R1301	0.270				
							0 0	AF16-30-01-14	1SBL177001R1401	0.310				
							0 0	AF26-30-00-41	1SBL237001R4100	0.310				
							0 0	AF26-30-00-12	1SBL237001R1200	0.310				
							0 0	AF26-30-00-13	1SBL237001R1300	0.310				
15	50	20	50	100...250	100...250	0 0	0 0	AF26-30-00-14	1SBL237001R1400	0.350				
							0 0	AF30-30-00-41	1SBL277001R4100	0.310				
							0 0	AF30-30-00-12	1SBL277001R1200	0.310				
							0 0	AF30-30-00-13	1SBL277001R1300	0.310				
							0 0	AF30-30-00-14	1SBL277001R1400	0.350				
							0 0	AF38-30-00-41	1SBL297001R4100	0.310				
18.5	50	25	50	24...60	-	(2)	0 0	AF38-30-00-12	1SBL297001R1200	0.310				
							0 0	AF38-30-00-13	1SBL297001R1300	0.310				
							0 0	AF38-30-00-14	1SBL297001R1400	0.350				
							0 0	AF38-30-00-12	1SBL297001R1200	0.310				
							0 0	AF38-30-00-13	1SBL297001R1300	0.310				
							0 0	AF38-30-00-14	1SBL297001R1400	0.350				

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

(2) For 24...60 V 50/60 Hz - 20...60 V DC, use AF.Z-30...-21.

Main dimensions mm, inches

