

# UL & CSA Technical data

## A/AF145 – AF750

### AC & DC operated

Across the line  
contactors

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ABB contactor frame size		A/AF 145	A/AF 185	A/AF 210	A/AF 260	A/AF 300	AF 400	AF 460	AF 580	AF 750
NEMA size		4	—	—	5	—	—	6	—	7
Number of poles		3	3	3	3	3	3	3	3	3
<b>AC rating information</b>										
NEMA maximum H.P. ratings										
200	3 phase VAC	40	—	—	75	—	—	150	—	—
230	VAC	50	—	—	100	—	—	200	—	300
460/575	V	100	—	—	200	—	—	400	—	600
<b>U.L. general purpose current</b>										
40°C		230	250	300	350	400	550	650	750	900
Max. 3 Ph switching motor loads										
	Amps	130	156	192	248	302	414	480	590	720
U.L. maximum H.P. ratings										
115	1 phase VAC	10	15	—	—	—	—	—	—	—
230	VAC	25	30	40	50	—	—	—	—	—
U.L. maximum H.P. ratings										
200–208	3 phase VAC	40	50	60	75	100	125	150	200	250
220–240	VAC	50	60	75	100	100	150	200	250	300
440–480	VAC	100	125	150	200	250	350	400	500	600
550–600	VAC	125	150	200	250	300	400	500	600	700
<b>Auxiliary contacts</b>										
NEMA rating										
	AC	A600	A600	A600	A600	A600	A600	A600	A600	A600
AC rated voltage										
	VAC	600	600	600	600	600	600	600	600	600
AC thermal rated current										
	A	10	10	10	10	10	10	10	10	10
AC maximum volt—ampere making										
	VA	7200	7200	7200	7200	7200	7200	7200	7200	7200
AC maximum volt—ampere breaking										
	VA	720	720	720	720	720	720	720	720	720
NEMA rating										
	DC	P600	P600	P600	P600	P600	P600	P600	P600	P600
DC rated voltage										
	VDC	600	600	600	600	600	600	600	600	600
DC thermal rated current										
	A	5	5	5	5	5	5	5	5	5
DC Maximum make—break										
	A	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<b>Approximate weight</b>										
Contactor										
	lbs.	7.1	7.1	13	13	13	26	26	33	33
Starter										
	lbs.	9.11	9.11	17.67	17.67	17.67	35	35	45	45
<b>Terminal wire range</b>										
	AWG	6–250MCM	6–250MCM	4–400MCM	4–400MCM	4–500MCM	250–500MCM	250–500MCM	2/0–500MCM	2/0–500MCM
Number of wires per phase										
		1	1	1	1	2	2	2	2	3
<b>Maximum short circuit ratings</b>										
MCCB,MCP,amps/kA										
480VAC		400/85	400/85	800/85	800/85	800/85	800/80	800/80	1200/42	1200/42
MCCB,MCP,amps/kA										
600VAC		400/35	400/35	800/35	800/35	800/35	800/42	800/42	—	—
Fuse, amps—Type/kA										
600VAC		400J/200	400J/200	600J/200	600J/200	600J/200	1000L/80	1000L/80	1200L/80	1200L/80