

IEC Contactors

Product Selection

3-pole AC-Operated Contactors

- Conventional and Electronic AC Coils
- 3 Main Contacts
- Non-Reversing or Reversing



I_e [A]		Switching of 3-phase motors — AC-2, AC-3										Auxiliary contacts		Non-Reversing Contactor Cat. No.	Reversing Contactor Cat. No.
60°C	40°C	kW (50 Hz) ①						Hp (60 Hz)				N.O.	N.C.		
AC-3	AC-1	230V	400V	415V	500V	690V	1000V	200V	230V	460V	575V				
95	160	30	50	55	63	90	45	25	30	60	75	0	0	100-D95⓪00	—
												1	1	100-D95⓪11	—
												2	4	—	104-D95⓪24
110	160	32	55	63	75	100	55	40	40	75	100	0	0	100-D110⓪00	—
												1	1	100-D110⓪11	—
												2	4	—	104-D110⓪24
140	250	45	75	80	80 ②	110 ②	75	40	50	100	125	0	0	100-D140⓪00	—
					100 ③	132 ③						1	1	100-D140⓪11	—
					2	4						—	104-D140⓪24		
180	250	55	90	100	90 ②	132 ②	90	50	60	150	150	0	0	100-D180⓪00	—
					125 ③	160 ③						1	1	100-D180⓪11	—
					2	4						—	104-D180⓪24		
210	350	63	110	125	150	200	110	60	75	150	200	0	0	100-D210⓪00	—
												1	1	100-D210⓪11	—
												2	4	—	104-D210⓪24
250	350	80	132	150	160	250	132	75	100	200	250	0	0	100-D250⓪00	—
												1	1	100-D250⓪11	—
												2	4	—	104-D250⓪24
300	450	90	160	160	200	300	160	100	125	250	300	0	0	100-D300⓪00	—
												1	1	100-D300⓪11	—
												2	4	—	104-D300⓪24
420	500	132	220	250	300	425	220	150	175	350	400	0	0	100-D420⓪00	—
												1	1	100-D420⓪11	—
												2	4	—	104-D420⓪24
630	800	200	355	355	450	500	—	200	250	500	600	0	0	100-D630⓪00	—
												1	1	100-D630⓪11	—
												2	4	—	104-D630⓪24
860	1000	250	500	500	560	600	—	250	300	600	700	0	0	100-D860⓪00	—
												1	1	100-D860⓪11	—
												2	4	—	104-D860⓪24

⓪ Voltage Suffix Codes for AC Control

Conventional Coil	V	24	48	100	110	120	200	208	220... 230	230	240	277	380... 400	415	440	480	500	550	600
100-D95...100-D180	50 Hz	K	Y	—	D	—	—	—	A	—	T	—	N	B	G	—	M	C	—
	60 Hz	J	X	—	—	D	—	H	—	—	A	T	—	—	N	B	—	—	C
100-D95...100-D110	50/60 Hz	—	—	KP	KN	—	KG	—	—	KF	KA	—	—	—	—	—	—	—	—

Electronic Coil w/ EI Interface ④	V	24	42... 64	100	110... 130	200	208... 277	380... 400	380... 415	380... 500	440... 480	500	600
100-D95...100-D300	50/60 Hz	EJ⑤	EY	EP	ED	EG	EA	—	—	EN	—	—	—
100-D420	50/60 Hz	—	EY	EP	ED	EG	EA	EE	—	EN	—	—	—
100-D630...100-D860	50/60 Hz	—	—	EP	ED	EG	EA	—	EN	—	EB	EM	EC

- ① Preferred values according to IEC 60072-1
- ② Conventional coils.
- ③ Electronic coils.
- ④ Signal voltage of the Cat. No. 100-D... electronic interface: Nominal U_E : 24V DC/ I_E : 15 mA
Pick-up Voltage: 13.0V DC...30.2V DC
Drop-out Voltage: -3.0V DC...+5.0V DC
- ⑤ Not available for 100-D300

3-pole DC-Operated Contactors

- Conventional and Electronic DC Coils
- 3 Main Contacts
- Non-Reversing or Reversing



100-D180...

100-D420...

100-D860...

I_e [A]		Switching of 3-phase motors — AC-2, AC-3										Auxiliary contacts		Non-reversing Contactor Cat. No.	Reversing Contactor Cat. No.
60°C	40°C	kW (50 Hz) ①						Hp (60 Hz)				N.O.	N.C.		
AC-3	AC-1	230V	400V	415V	500V	690V	1000V	200V	230V	460V	575V				
95	160	30	50	55	63	90	45	25	30	60	75	0	0	100-D95③00	—
												1	1	100-D95③11	—
												2	1/1L	100-D95③22L ②	—
												2	4	—	104-D95②4
												2	2/2L	—	104-D95③24L ②
110	160	32	55	63	75	100	55	40	40	75	100	0	0	100-D110③00	—
												1	1	100-D110③11	—
												2	1/1L	100-D110③22L ②	—
												2	4	—	104-D110②4
												2	2/2L	—	104-D110③24L ②
140	250	45	75	80	80 ③	110 ③	75	40	50	100	125	0	0	100-D140③00	—
					100 ④	132 ④						1	1	100-D140③11	—
					2	1/1L						100-D140③22L ②	—		
					2	4						—	104-D140②4		
					2	2/2L						—	104-D140③24L ②		
180	250	55	90	100	90 ③	132 ③	90	50	60	150	150	0	0	100-D180③00	—
					125 ④	160 ④						1	1	100-D180③11	—
					2	1/L						100-D180③22L ②	—		
					2	4						—	104-D180②4		
					2	2/2L						—	104-D180③24L ②		
210	350	63	110	125	150	200	110	60	75	150	200	0	0	100-D210③00	—
												1	1	100-D210③11	—
												2	4	—	104-D210②4
250	350	80	132	150	160	250	132	75	100	200	250	0	0	100-D250③00	—
												1	1	100-D250③11	—
												2	4	—	104-D250②4
300	450	90	160	185	220	300	160	100	125	250	300	0	0	100-D300③00	—
												1	1	100-D300③11	—
												2	4	—	104-D300②4
420	500	132	220	250	300	425	220	150	175	350	400	0	0	100-D420③00	—
												1	1	100-D420③11	—
												2	4	—	104-D420②4
630	800	200	355	355	450	500	—	200	250	500	600	0	0	100-D630③00	—
												1	1	100-D630③11	—
												2	4	—	104-D630②4
860	1000	250	500	500	560	600	—	250	300	600	700	0	0	100-D860③00	—
												1	1	100-D860③11	—
												2	4	—	104-D860②4

⊗ Voltage Suffix Codes for DC Control

Conventional Coil	V	24	48	110	125	220
100-D95...100-D180 ②	DC	ZJ	ZY	ZD	ZS	ZA

Electronic Coil w/ EI Interface ⑥	V	24	48...72	110...130	200...255
100-D95...100-D300	DC	EZJ	EZY	EZD	EZA
100-D420	DC	—	EZY	EZD	EZA
100-D630...860	DC	—	—	ED	EA

- ① Preferred value according to IEC 60072-1.
- ② For conventional DC coil only. The pickup winding must be interconnected with the N.C. late-break auxiliary contact(s).
- ③ Conventional coils.
- ④ Electronic coils.
- ⑥ Signal voltage of the Cat. No. 100-D... electronic interface: U_G : 24V DC/ I_G : 15 mA
 Pick-Up Voltage: 13.0V DC...30.2V DC
 Drop-Out Voltage: -3.0V DC...+5.0V DC