

IEC Contactors

Product Selection

3-pole AC-Operated Contactors

- Conventional and Electronic AC 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) ❶						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-D95❸00	—
												1	1	100-D95❸11	—
												2	4	—	104-D95❸24
110	160	32	55	63	75	100	55	40	40	75	100	0	0	100-D110❸00	—
												1	1	100-D110❸11	—
												2	4	—	104-D110❸24
140	250	45	75	80	80 ❷	110 ❷	75	40	50	100	125	0	0	100-D140❸00	—
					100 ❸	132 ❸						1	1	100-D140❸11	—
												2	4	—	104-D140❸24
180	250	55	90	100	90 ❷	132 ❷	90	50	60	150	150	0	0	100-D180❸00	—
					125 ❸	160 ❸						1	1	100-D180❸11	—
												2	4	—	104-D180❸24
210	350	63	110	125	150	200	110	60	75	150	200	0	0	100-D210❸00	—
												1	1	100-D210❸11	—
												2	4	—	104-D210❸24
250	350	80	132	150	160	250	132	75	100	200	250	0	0	100-D250❸00	—
												1	1	100-D250❸11	—
												2	4	—	104-D250❸24
300	450	90	160	160	200	300	160	100	125	250	300	0	0	100-D300❸00	—
												1	1	100-D300❸11	—
												2	4	—	104-D300❸24
420	500	132	220	250	300	425	220	150	175	350	400	0	0	100-D420❸00	—
												1	1	100-D420❸11	—
												2	4	—	104-D420❸24
630	800	200	355	355	450	500	—	200	250	500	600	0	0	100-D630❸00	—
												1	1	100-D630❸11	—
												2	4	—	104-D630❸24
860	1000	250	500	500	560	600	—	250	300	600	700	0	0	100-D860❸00	—
												1	1	100-D860❸11	—
												2	4	—	104-D860❸24

❶ 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 ❷	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	EJ❸	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

- ❶ Preferred values according to IEC 60072-1
- ❷ Conventional coils.
- ❸ Electronic coils.
- ❹ 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
- ❺ Not available for 100-D300

- 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) ⓐ						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-D95Ⓢ00	—
												1	1	100-D95Ⓢ11	—
												2	1/1L	100-D95Ⓢ22L ⓐ	—
												2	4	—	104-D95Ⓢ24
												2	2/2L	—	104-D95Ⓢ24L ⓐ
110	160	32	55	63	75	100	55	40	40	75	100	0	0	100-D110Ⓢ00	—
												1	1	100-D110Ⓢ11	—
												2	1/1L	100-D110Ⓢ22L ⓐ	—
												2	4	—	104-D110Ⓢ24
												2	2/2L	—	104-D110Ⓢ24L ⓐ
140	250	45	75	80	80 ⓐ	110 ⓐ	75	40	50	100	125	0	0	100-D140Ⓢ00	—
												1	1	100-D140Ⓢ11	—
					100 ⓐ	132 ⓐ						2	1/1L	100-D140Ⓢ22L ⓐ	—
												2	4	—	104-D140Ⓢ24
												2	2/2L	—	104-D140Ⓢ24L ⓐ
180	250	55	90	100	90 ⓐ	132 ⓐ	90	50	60	150	150	0	0	100-D180Ⓢ00	—
												1	1	100-D180Ⓢ11	—
					125 ⓐ	160 ⓐ						2	1/L	100-D180Ⓢ22L ⓐ	—
												2	4	—	104-D180Ⓢ24
												2	2/2L	—	104-D180Ⓢ24L ⓐ
210	350	63	110	125	150	200	110	60	75	150	200	0	0	100-D210Ⓢ00	—
												1	1	100-D210Ⓢ11	—
												2	4	—	104-D210Ⓢ24
250	350	80	132	150	160	250	132	75	100	200	250	0	0	100-D250Ⓢ00	—
												1	1	100-D250Ⓢ11	—
												2	4	—	104-D250Ⓢ24
300	450	90	160	185	220	300	160	100	125	250	300	0	0	100-D300Ⓢ00	—
												1	1	100-D300Ⓢ11	—
												2	4	—	104-D300Ⓢ24
420	500	132	220	250	300	425	220	150	175	350	400	0	0	100-D420Ⓢ00	—
												1	1	100-D420Ⓢ11	—
												2	4	—	104-D420Ⓢ24
630	800	200	355	355	450	500	—	200	250	500	600	0	0	100-D630Ⓢ00	—
												1	1	100-D630Ⓢ11	—
												2	4	—	104-D630Ⓢ24
860	1000	250	500	500	560	600	—	250	300	600	700	0	0	100-D860Ⓢ00	—
												1	1	100-D860Ⓢ11	—
												2	4	—	104-D860Ⓢ24

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.
⑤ Signal voltage of the Cat. No. 100-D... electronic interface: 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