

Three-pole contactors from 9 to 105A (AC3)

- Control circuit :
Direct current up to 440V
- Terminal numbering in accordance with EN 50005 and EN 50012
- Fixing by clipping onto 35 mm DIN rail EN 50022-35 or by screws
- Degree of protection CL00... to CL02... : IP20
CL25... to CL10... : IP10
- Screws protected against accidental contact in accordance with VDE 0106.
- Three coil terminals.
- The types CL...E are also suitable for AC control.
- Accessories:
Mounting possibilities of front/side instantaneous auxiliary contact blocks, timed auxiliary contact blocks, mechanical latch, transient suppressor block and interface modules
- Maximum number of auxiliary contacts:
four for CL00...CL25
six for CL03...CL45
eight for CL06...CL10



CL00D310TD

Control circuit: direct current



Max. operat. current		Admissible power AC3				Elec. endur.	Aux. contacts		Cat. no. ⁽¹⁾	Weight
Non-inductive load	Motors ≤ 440V 3-phase 50/60 Hz AC3	220V 230V	380V 400V	415V 440V	500V	Category AC3				
	AC1									
A	A	kW	kW	kW	kW	operations				
25	9	2.2	4	4	5.5	2 x 10 ⁶	1 0	0 1	CL00D310T ♦ CL00D301T ♦	0.490 0.490
25	12	3	5.5	5.5	7.5	2 x 10 ⁶	1 0	0 1	CL01D310T ♦ CL01D301T ♦	0.490 0.490
32	18	4	7.5	7.5	10	1.7 x 10 ⁶	1 0	0 1	CL02D310T ♦ CL02D301T ♦	0.490 0.490
45	25	7.5	11	11	15	2 x 10 ⁶	0	0	CL25D300T ♦	0.480
45	25	7.5	12	12	15	2 x 10 ⁶	1 0	0 1	CL03D310M ♦ CL03D301M ♦	0.480 0.480
60	32	9	16	16	18.5	2 x 10 ⁶	1 0	0 1	CL04D310M ♦ CL04D301M ♦	0.835 0.835
60	40	11	18.5	22	25	2 x 10 ⁶	0	0	CL45D300M ♦	0.825
90	50	15	22	25	30	1.8 x 10 ⁶	0	0	CL06E300M ♦	1.095
110	65	18.5	30	37	40	1.7 x 10 ⁶	0	0	CL07E300M ♦	1.110
110	80	22	37	45	45	1.5 x 10 ⁶	0	0	CL08E300M ♦	1.120
140	95	25	45	50	55	1.7 x 10 ⁶	0	0	CL09E300M ♦	1.440
140	105	30	55	55	65	1.5 x 10 ⁶	0	0	CL10E300M ♦	1.460

Spare coils		(pure DC coil)	CL00 - CL25	LB1D ♦	0.205
		(pure DC coil)	CL03 - CL45	LB3D ♦	0.276
		(coil + electronic module)	CL06 - CL10	LB4E ♦	0.610

Available coil voltages ⁽¹⁾

Direct current (V). For contactors type CL...D / Operating limits: 0.80 ... 1.10 x Us

♦	B	D	E	F	G	H	I	J	K	N	P	R	X
Voltage	12	24		42	48			110	120 125	220		240	

Direct current (V). Coil with electronic module for contactors CL...E ⁽²⁾ / Operating limits: 0.80 ... 1.10 x Us

♦	D	F	H	J	N	Y
Voltage	24 28	42 48		110 125	220 250	

- (1) To complete the catalogue number, replace the symbol ♦ by the code corresponding to the voltage and frequency of the control circuit.
(2) Can also be used with alternating current.

Four-pole contactors (4NO) from 25 to 140A (AC1)

- Power circuit (AC): up to 690V
- Control circuit:
Alternating current up to 690V AC
Direct current up to 440V DC
- Terminal numbering in accordance with EN 50005 and EN 50012
- Fixing by clipping onto 35 mm DIN rail (EN 50022-35) or by screws.
- Degree of protection CL01... to CL02... : IP20
CL03... to CL09... : IP10
- Screws protected against accidental contact in accordance with VDE 0106.
- Three coil terminals.
- The types CL...E are also suitable for AC control.
- Accessories:
Mounting possibilities of front/side instantaneous auxiliary contact blocks, timed auxiliary contact blocks, mechanical latch, transient suppressor block and interface modules.



CL01A400TN



CL05A400MN



CL09E400MJ

Control circuit: alternating current

Maximum operating current		Admissible power AC1				Electrical endurance	Control circuit	Power contacts	Cat. no. ⁽¹⁾	Weight
Non-inductive load AC1	AC3	220V 230V	380V 400V	415V 440V	500V	Category AC1				
		kW	kW	kW	kW	operations				
A	A									
25	12	9.5	16.5	18	21.5	1.5 x 10 ⁶	AC	4 0	CL01A400T ♦	0.280
32	18	12	22	23	27.5	1.5 x 10 ⁶	AC	4 0	CL02A400T ♦	0.280
45	25	17	29	32	39	2 x 10 ⁶	AC	4 0	CL03A400M ♦	0.490
60	32	22.5	39.5	43	52	1.5 x 10 ⁶	AC	4 0	CL04A400M ♦	0.500
90	50	34	59	64	78	1.5 x 10 ⁶	AC	4 0	CL05A400M ♦	1.240
110	65	42	72.5	79	95	1.8 x 10 ⁶	AC	4 0	CL07A400M ♦	1.270
140	95	53	92	100	121	1.8 x 10 ⁶	AC	4 0	CL09A400M ♦	1.450
Spare coils								CL01 - CL02 CL03 - CL04 CL05 - CL09	LB1A ♦ LB3A ♦ LB4A ♦	0.063 0.102 0.145

Control circuit: direct current

25	12	9.5	16.5	18	21.5	1.5 x 10 ⁶	DC	4 0	CL01D400T ♦	0.490
32	18	12	22	23	27.5	1.5 x 10 ⁶	DC	4 0	CL02D400T ♦	0.490
45	25	17	29	32	39	2 x 10 ⁶	DC	4 0	CL03D400M ♦	0.825
60	32	22.5	39.5	43	52	1.5 x 10 ⁶	DC	4 0	CL04D400M ♦	0.835
90	50	34	59	64	78	1.5 x 10 ⁶	AC/DC	4 0	CL05E400M ♦	1.290
110	65	42	72.5	79	95	1.8 x 10 ⁶	AC/DC	4 0	CL07E400M ♦	1.290
140	95	53	92	100	121	1.8 x 10 ⁶	AC/DC	4 0	CL09E400M ♦	1.500
Spare coils								(pure DC coil) CL00 - CL02 (pure DC coil) CL03 - CL04 (coil + electronic module) CL05 - CL09	LB1D ♦ LB3D ♦ LB4E ♦	0.205 0.276 0.610

Available coil voltages ⁽¹⁾

Alternating current (V)

♦	C	D	F	G	H	J	K	M	N	R	S	T	U	V	W	X	Y	Z
50Hz		24	42	48		110	127		220 230	240			380 400		415	440	500	660 690

Direct current (V). For contactors type CL...D / 0.80 ... 1.10 x Us ⁽⁴⁾

♦	B	D	E	F	G	H	I	J	K	N	P	R	X
Voltage	12	24		42	48			110	120 125	220		240	

Direct current (V). Coil with electronic module for contactors type CL...E ⁽³⁾ / 0.80 ... 1.10 x Us ⁽⁴⁾

♦	D	F	H	J	N	Y
Voltage	24 28	42 48		110 125	220 250	

- (1) To complete the catalogue number, replace the symbol ♦ by the code corresponding to the voltage and frequency of the control circuit.
(2) Only for CL00 to CL45.