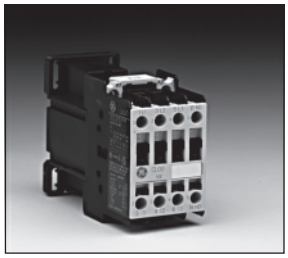
Three-pole contactors from 9 to 105A (AC3)

- 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 AC1	Motors ≤ 440V 3-phase 50/60 Hz AC3	220V 230V	380V 400V	415V 440V	500V	Category AC3	•3 •4	•1 •2		
A	A	kW	kW	kW	kW	operations				
25	9	2.2	4	4	5.5	2×10^6	1 0	0 1	**CL00D310T ◆** **CL00D301T ◆**	0.490 0.490
25	12	3	5.5	5.5	7.5	2×10^6	1 0	0 1	**CL01D310T ◆** **CL01D301T ◆**	0.490 0.490
32	18	4	7.5	7.5	10	1.7×10^6	1 0	0 1	**CL02D310T ◆** **CL02D301T ◆**	0.490 0.490
45	25	7.5	11	11	15	2×10^6	0	0	**CL25D300T ◆**	0.480
45	25	7.5	12	12	15	2×10^6	1 0	0 1	**CL03D310M ◆** **CL03D301M ◆**	0.480 0.480
60	32	9	16	16	18.5	2×10^6	1 0	0 1	**CL04D310M ◆** **CL04D301M ◆**	0.835 0.835
60	40	11	18.5	22	25	2×10^6	0	0	**CL45D300M ◆**	0.825
90	50	15	22	25	30	1.8×10^6	0	0	**CL06E300M ◆**	1.095
110	65	18.5	30	37	40	1.7×10^6	0	0	**CL07E300M ◆**	1.110
110	80	22	37	45	45	1.5×10^6	0	0	**CL08E300M ◆**	1.120
140	95	25	45	50	55	1.7×10^6	0	0	**CL09E300M ◆**	1.440
140	105	30	55	55	65	1.5×10^6	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	

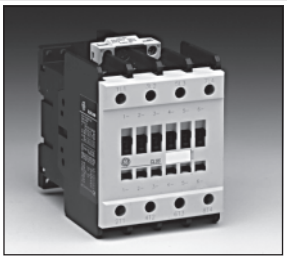
(1) To complete the catalogue number, replace the symbol ◆ by the code corresponding to the voltage and frequency of the control circuit.
(2) Can also be used with alternating current.

Thermal overload relay, see 2.22
Technical specifications, see 2.34
Dimensions, see 2.44

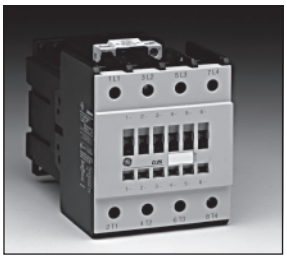
Four-pole contactors (4NO) from 25 to 140A (AC1)

- 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					
A	A	kW	kW	kW	kW	operations					
25	12	9.5	16.5	18	21.5	1.5×10^6	AC	4	0	**CL01A400T ◆**	0.280
32	18	12	22	23	27.5	1.5×10^6	AC	4	0	**CL02A400T ◆**	0.280
45	25	17	29	32	39	2×10^6	AC	4	0	**CL03A400M ◆**	0.490
60	32	22.5	39.5	43	52	1.5×10^6	AC	4	0	**CL04A400M ◆**	0.500
90	50	34	59	64	78	1.5×10^6	AC	4	0	**CL05A400M ◆**	1.240
110	65	42	72.5	79	95	1.8×10^6	AC	4	0	**CL07A400M ◆**	1.270
140	95	53	92	100	121	1.8×10^6	AC	4	0	**CL09A400M ◆**	1.450

Spare coils			
	CL01 - CL02	**LB1A ◆**	0.063
	CL03 - CL04	**LB3A ◆**	0.102
	CL05 - CL09	**LB4A ◆**	0.145

Control circuit: direct current

25	12	9.5	16.5	18	21.5	1.5×10^6	DC	4	0	**CL01D400T ◆**	0.490
32	18	12	22	23	27.5	1.5×10^6	DC	4	0	**CL02D400T ◆**	0.490
45	25	17	29	32	39	2×10^6	DC	4	0	**CL03D400M ◆**	0.825
60	32	22.5	39.5	43	52	1.5×10^6	DC	4	0	**CL04D400M ◆**	0.835
90	50	34	59	64	78	1.5×10^6	AC/DC	4	0	**CL05E400M ◆**	1.290
110	65	42	72.5	79	95	1.8×10^6	AC/DC	4	0	**CL07E400M ◆**	1.290
140	95	53	92	100	121	1.8×10^6	AC/DC	4	0	**CL09E400M ◆**	1.500

Spare coils				
	(pure DC coil)	CL00 - CL02	**LB1D ◆**	0.205
	(pure DC coil)	CL03 - CL04	**LB3D ◆**	0.276
	(coil + electronic module)	CL05 - CL09	**LB4E ◆**	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.

Thermal overload relay, see 2.21
Technical specifications, see 2.34
Dimensions, see 2.44