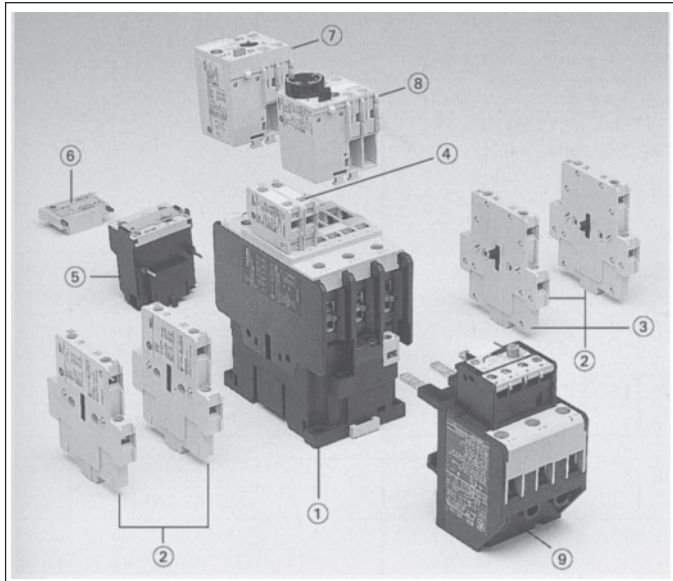
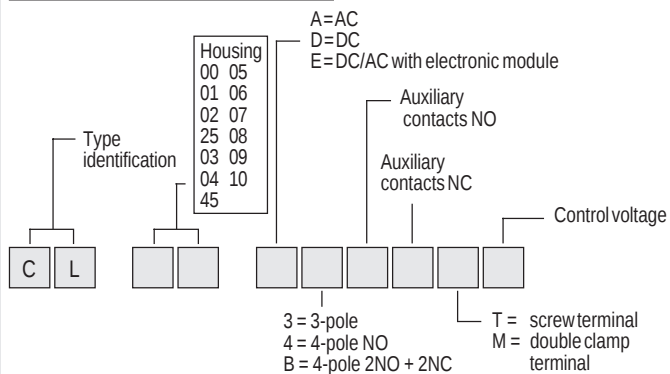
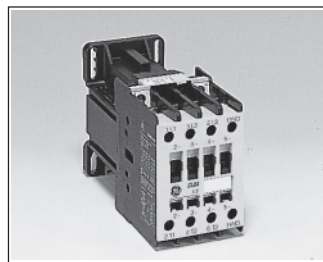


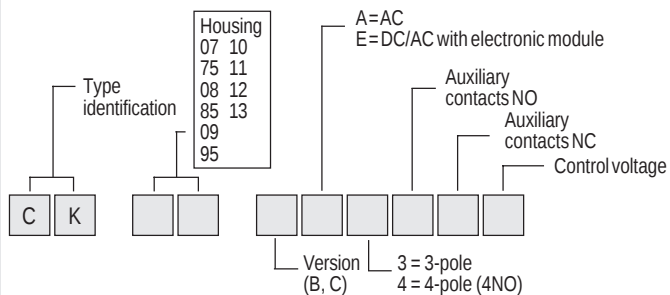
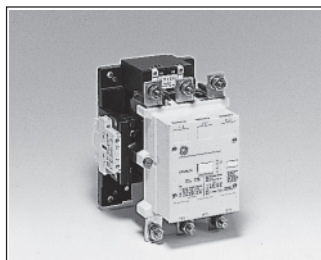


- ① Contactor (see 2.11)
- ② Auxiliary contacts side-mounted (see 2.15)
- ③ Mechanical interlock (see 2.15)
- ④ Auxiliary contacts front-mounted (see 2.15)
- ⑤ Electronic timer block (see 2.16)
- ⑥ Transient voltage suppressor block (see 2.16)
- ⑦ Mechanical latch block (see 2.15)
- ⑧ Pneumatic timer block (see 2.15)
- ⑨ Thermal overload relay (see 2.22)

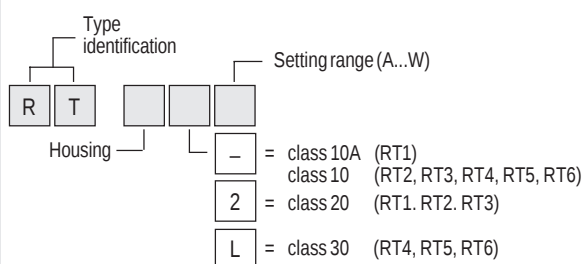
Contactors Series CL



Contactors Series CK

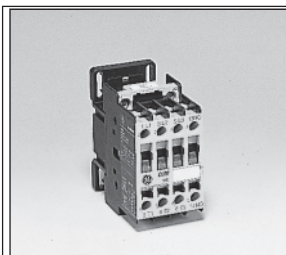


Thermal overload relay RT

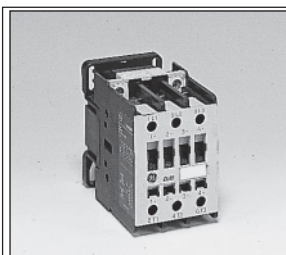


Three-pole contactors from 9 to 105A (AC3)

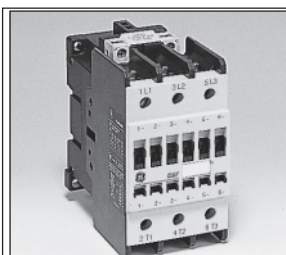
- Power circuit (AC): up to 690V
- Control circuit:
Alternating current up to 690V AC
- Terminal numbering in accordance with EN 50005 and EN 50012
- Fixing by clipping onto 35 mm DIN rail EN 50022-35 or by screws
- Degree of protection CL00... to CL02... : IP20
CL25... to CL10... : IP10
- Screws protected against accidental contact in accordance with VDE 0106.
- Three coil terminals.
- 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



CL00A310TN



CL45A300MN



CL07A300MN

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

Control circuit: alternating 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	•3 •4 •1 •2				
AC1											
A	A	kW	kW	kW	kW	# ops.					
25	9	2.2	4	4	5.5	2 × 10 ⁶	0 1 0	0 0 1	CL00A300T ♦ CL00A310T ♦ CL00A301T ♦	0.280 0.295 0.295	
25	12	3	5.5	5.5	7.5	2 × 10 ⁶	0 1 0	0 0 1	CL01A300T ♦ CL01A310T ♦ CL01A301T ♦	0.280 0.295 0.295	
32	18	4	7.5	7.5	10	1.7 × 10 ⁶	0 1 0	0 0 1	CL02A300T ♦ CL02A310T ♦ CL02A301T ♦	0.280 0.295 0.295	
45	25	7.5	11	11	15	2 × 10 ⁶	0 1 0	0 0 1	CL25A300T ♦ CL25A310T ♦ ⁽²⁾ CL25A301T ♦ ⁽²⁾	0.270 0.285 0.285	
45	25	7.5	12	12	15	2 × 10 ⁶	1 0	0 1	CL03A310M ♦ CL03A301M ♦	0.490 0.490	
60	32	9	16	16	18.5	2 × 10 ⁶	0 1 0	0 0 1	CL04A300M ♦ CL04A310M ♦ CL04A301M ♦	0.500 0.520 0.520	
60	40	11	18.5	22	25	2 × 10 ⁶	0 1	0 1	CL45A300M ♦ CL45A311M ♦ ⁽³⁾	0.490 0.540	
90	50	15	22	25	30	1.8 × 10 ⁶	0 1	0 1	CL06A300M ♦ CL06A311M ♦ ⁽³⁾	1.075 1.105	
110	65	18.5	30	37	40	1.7 × 10 ⁶	0 1	0 1	CL07A300M ♦ CL07A311M ♦ ⁽³⁾	1.090 1.120	
110	80	22	37	45	45	1.5 × 10 ⁶	0 1	0 1	CL08A300M ♦ CL08A311M ♦ ⁽³⁾	1.110 1.130	
140	95	25	45	50	55	1.7 × 10 ⁶	0 1	0 1	CL09A300M ♦ CL09A311M ♦ ⁽³⁾	1.000 1.450	
140	105	30	55	55	65	1.5 × 10 ⁶	0 1	0 1	CL10A300M ♦ CL10A311M ♦ ⁽³⁾	1.440 1.470	
Spare coils							Alternating current		CL00 - CL25 CL03 - CL45 CL06 - CL10	LB1A♦ LB3A♦ LB4A ♦	0.063 0.102 0.145

Available coil voltages ⁽¹⁾

Alternating current (V)

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

- (1) To complete the catalogue number, replace the symbol ♦ by the code corresponding to the voltage and frequency of the control circuit.
(2) Equipped with one block BCLF (see 2.15)
(3) Equipped with two blocks BCLF (see 2.15)

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	220		240	
								125					

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	42		110	220	
	28	48		125	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.