



Documents corresponding to the product:
Standard EN 60947-1; EN 60 947-4-1

The products are in accordance with the directives of EC “Low voltage directives (LVD) no. 73/23 EEC” and “Electromagnetic Compatibility Directives (EMC) no. 89/336 EEC”.



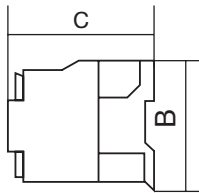
LT 1 D contactors are alternating current contactors for control of circuits and consumers operating in class AC3. It is suitable for consumers with rated current up to 95A. The contactors are offered in a type with 1 NO contact for operating circuit making and the models over 40A also have 1NC operating contactor.

Functions:

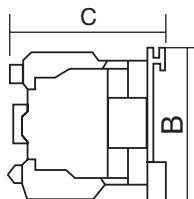
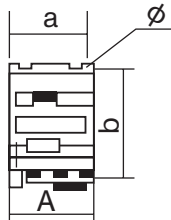
- switching on/off heavy-loaded electrical circuits at controlling signal to the coil
- making of control systems
- used as an operating element in process control panels
- remarkable with high reliability of current characteristics
- reliable separation of power contactors
- secured cover of the movable part of the contactor

Technical data:

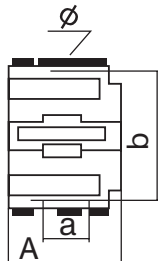
- * Operation class: AC 3
- * Rated operating voltage of power contactors: up to 690V; 50/60Hz
- * Composition of the power contact surfaces: unalloyed copper with coating 80% AgSnO
- * Surge voltage wear resistance: >8000V
- * Rated voltage of the coil: from 12 to 400V AC
- * Coil material: pure copper type QA-1
- * Magnetic core material: alloy steel type 360
- * Moveable part material: Bakelite
- * Limits of the controlling coil voltage: from 0.8 to 1.15 U_c
- * Joining terminal: screw terminal
- * Connecting:
 - flexible conductors with or without cable terminal
 - rigid conductors
- * Electrical wear resistance (number of cycles): ≥1000000
- * Mechanical wear resistance (number of cycles): ≥10000000
- * Number of cycles per hour: 1200 UP TO 32A; 600 for 40-95A
- * Pole leaking power: up to 13W
- * **Mounting:**
 - on DIN-rail or
 - with bolts to the surface
 - mounting position: vertical gradient – maximum ± 5°
- * Plastic: wear resistance of UV rays and non-flammable (self-extinguishing material)
- * Ambient temperature: -10°C + 60°C
- * Altitude: up to 2000m



LT1-D 09-32
LT1 - K



LT1-D 40-65



Type	Overall dimensions (mm)					
	a	b	Ø	A	B	C
LT-K 06~12	34/35	45	4.5	45	50	50
LT-D 09~12	34/35	50/60	4.5	47	70	82
LT1 D18	34/35	50/60	4.5	47	70	87
LT1 D25	40	48	4.5	57	80	95
LT1 D32	40	48	4.5	57	80	100
LT-D 40~65	40	100/110	6.5	77	126	116
LT-D 80~95	40	100/110	6.5	87	126	127

Type number	Rated capacity (kW)					Coil capacity (VA)		Rated current in AC-3 440V to up	Tightening moment (N.m)	Section of the power supply conductor	Coil voltage (V)	Packing/Box (pcs)	Catalogue number
	220V 230V	380V 400V	415V	440V	660V 690V	closed	open						
LT 1 - K 0610 1NO	1.5	2.2	2.2	2.2	3	7	60	6A	1.7	4	230	1 / 100	23061E
											400	1 / 100	23062E
											12	1 / 100	23063E
											24	1 / 100	23064E
											36	1 / 100	23065E
											48	1 / 100	23066E
110	1 / 100	23067E											

Type number	Rated capacity (kW)					Coil capacity (VA)		Rated current in AC-3 440V to up	Tightening moment (N.m)	Section of the power supply conductor	Coil voltage (V)	Packing/Box (pcs)	Catalogue number
	220V 230V	380V 400V	415V	440V	660V 690V	closed	open						
LT 1 - K 0910 1NO	2.2	3.7	3.7	3.7	4	7	60	9A	1.7	4	230	1 / 100	23091E
											400	1 / 100	23092E
											12	1 / 100	23093E
											24	1 / 100	23094E
											36	1 / 100	23095E
											48	1 / 100	23096E
110	1 / 100	23097E											

Type number	Rated capacity (kW)					Coil capacity (VA)		Rated current in AC-3 440V to up	Tightening moment (N.m)	Section of the power supply conductor	Coil voltage (V)	Packing/Box (pcs)	Catalogue number
	220V 230V	380V 400V	415V	440V	660V 690V	closed	open						
LT 1 - K 1210 1NO	3	4	4	4	5	7	60	12A	1.7	4	230	1 / 100	23121E
											400	1 / 100	23122E
											12	1 / 100	23123E
											24	1 / 100	23124E
											36	1 / 100	23125E
											48	1 / 100	23126E
110	1 / 100	23127E											

Type number	Rated capacity (kW)					Coil capacity (VA)		Rated current in AC-3 440V to up	Tightening moment (N.m)	Section of the power supply conductor	Coil voltage (V)	Packing/Box (pcs)	Catalogue number
	220V 230V	380V 400V	415V	440V	660V 690V	closed	open						
LT1 - D0910 1NO	2.2	4	4	4	5.5	7	60	9A	1.7	4	230	1 / 50	23091
											400	1 / 50	23092
											12	1 / 50	23093
											24	1 / 50	23094
											36	1 / 50	23095
											48	1 / 50	23096
110	1 / 50	23097											

Type number	Rated capacity (kW)					Coil capacity (VA)		Rated current in AC-3 440V to up	Tightening moment (N.m)	Section of the power supply conductor	Coil voltage (V)	Packing/Box (pcs)	Catalogue number
	220V 230V	380V 400V	415V	440V	660V 690V	closed	open						
LT1 - D0901 1NC	2.2	4	4	4	5.5	7	60	9A	1.7	4	230	1 / 50	23273
											400	1 / 50	23270
											12	1 / 50	23271
											24	1 / 50	23272
											36	1 / 50	23277
											48	1 / 50	23278
110	1 / 50	23279											

Type number	Rated capacity (kW)					Coil capacity (VA)		Rated current in AC-3 440V to up	Tightening moment (N.m)	Section of the power supply conductor	Coil voltage (V)	Packing/Box (pcs)	Catalogue number
	220V 230V	380V 400V	415V	440V	660V 690V	closed	open						
LT1 - D1210 1NO	3	5.5	5.5	5.5	7.5	7	60	12A	1.7	4	230	1 / 50	23121
											400	1 / 50	23122
											12	1 / 50	23123
											24	1 / 50	23124
											36	1 / 50	23125
											48	1 / 50	23126
											110	1 / 50	23127
LT1 - D1201 1NC	3	5.5	5.5	5.5	7.5	7	60	12A	1.7	4	230	1 / 50	23274
											400	1 / 50	23280
											12	1 / 50	23281
											24	1 / 50	23282
											36	1 / 50	23283
											48	1 / 50	23284
											110	1 / 50	23285
LT1 - D1810 1NO	4	7.5	9	9	10	7	60	18A	1.7	6	230	1 / 50	23181
											400	1 / 50	23182
											12	1 / 50	23183
											24	1 / 50	23184
											36	1 / 50	23185
											48	1 / 50	23186
											110	1 / 50	23187
LT1 - D1801 1NC	4	7.5	9	9	10	7	60	18A	1.7	6	230	1 / 50	23275
											400	1 / 50	23286
											12	1 / 50	23287
											24	1 / 50	23288
											36	1 / 50	23289
											48	1 / 50	23290
											110	1 / 50	23291
LT1 - D2510 1NO	5.5	11	11	11	15	7.5	90	25A	2.5	6	230	1 / 50	23251
											400	1 / 50	23252
											12	1 / 50	23253
											24	1 / 50	23254
											36	1 / 50	23255
											48	1 / 50	23256
											110	1 / 50	23257
LT1 - D2501 1NC	5.5	11	11	11	15	7.5	90	25A	2.5	6	230	1 / 50	23276
											400	1 / 50	23292
											12	1 / 50	23293
											24	1 / 50	23294
											36	1 / 50	23295
											48	1 / 50	23296
											110	1 / 50	23297

Type number	Rated capacity (kW)					Coil capacity (VA)		Rated current in AC-3 440V to up	Tightening moment (N.m)	Section of the power supply conductor	Coil voltage (V)	Packing/Box (pcs)	Catalogue number
	220V 230V	380V 400V	415V	440V	660V 690V	closed	open						
LT1 - D3210 1NO	7.5	15	15	15	18.5	7.5	90	32A	2.5	10	230	1 / 50	23321
											400	1 / 50	23322
											12	1 / 50	23323
											24	1 / 50	23324
											36	1 / 50	23325
											48	1 / 50	23326
											110	1 / 50	23327

Type number	Rated capacity (kW)					Coil capacity (VA)		Rated current in AC-3 440V to up	Tightening moment (N.m)	Section of the power supply conductor	Coil voltage (V)	Packing/Box (pcs)	Catalogue number
	220V 230V	380V 400V	415V	440V	660V 690V	closed	open						
LT1 - D4011 1NO+1NC	11	18.5	22	22	30	20	200	40A	5	16	230	1 / 20	23401
											400	1 / 20	23402
											12	1 / 20	23403
											24	1 / 20	23404
											36	1 / 20	23405
											48	1 / 20	23406
											110	1 / 20	23407

Type number	Rated capacity (kW)					Coil capacity (VA)		Rated current in AC-3 440V to up	Tightening moment (N.m)	Section of the power supply conductor	Coil voltage (V)	Packing/Box (pcs)	Catalogue number
	220V 230V	380V 400V	415V	440V	660V 690V	closed	open						
LT1 - D5011 1NO+1NC	15	22	25	25	33	20	200	50A	5	25	230	1 / 20	23501
											400	1 / 20	23502
											12	1 / 20	23503
											24	1 / 20	23504
											36	1 / 20	23505
											48	1 / 20	23506
											110	1 / 20	23507

Type number	Rated capacity (kW)					Coil capacity (VA)		Rated current in AC-3 440V to up	Tightening moment (N.m)	Section of the power supply conductor	Coil voltage (V)	Packing/Box (pcs)	Catalogue number
	220V 230V	380V 400V	415V	440V	660V 690V	closed	open						
LT1 - D6511 1NO+1NC	18.5	30	37	37	37	20	200	65A	5	25	230	1 / 20	23651
											400	1 / 20	23652
											12	1 / 20	23653
											24	1 / 20	23654
											36	1 / 20	23655
											48	1 / 20	23656
											110	1 / 20	23657

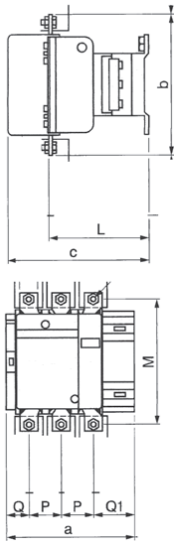
Type number	Rated capacity (kW)					Coil capacity (VA)		Rated current in AC-3 440V to up	Tightening moment (N.m)	Section of the power supply conductor	Coil voltage (V)	Packing/Box (pcs)	Catalogue number
	220V 230V	380V 400V	415V	440V	660V 690V	closed	open						
LT1 - D8011 1NO+1NC	22	37	45	45	45	20	200	80A	9	50	230	1 / 15	23801
											400	1 / 15	23802
											12	1 / 15	23803
											24	1 / 15	23804
											36	1 / 15	23805
											48	1 / 15	23806
											110	1 / 15	23807

Type number	Rated capacity (kW)					Coil capacity (VA)		Rated current in AC-3 440V to up	Tightening moment (N.m)	Section of the power supply conductor	Coil voltage (V)	Packing/Box (pcs)	Catalogue number
	220V 230V	380V 400V	415V	440V	660V 690V	closed	open						
LT1 - D9511 1NO+1NC	25	45	45	45	45	20	200	95A	9	50	230	1 / 15	23951
											400	1 / 15	23952
											12	1 / 15	23953
											24	1 / 15	23954
											36	1 / 15	23955
											48	1 / 15	23956
											110	1 / 15	23957



Documents corresponding to the product:

Standard EN 60947-1; EN 60 947-4-1
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The contactors LT 1- F are alternating current contactors used to control circuits and consumers operating in normal working conditions with switching on/off the consumer and dirty working environment. They are suitable for consumers with electrical power consumption from 115A to 800A.

Functions:

- frequently switching on/off heavy-loaded electrical circuits at controlling signal to the coil
- making of systems for consumers' control
- used as an operating element in process control panels
- remarkable with high reliability of current characteristics
- reliable separation of power contactors
- secured cover of the movable part of the contactor

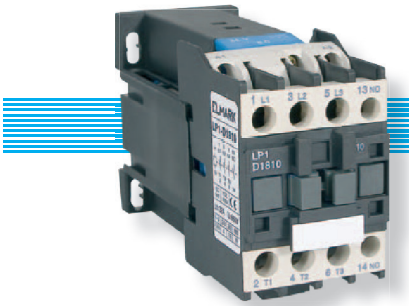
Technical data:

- * Operation class: AC 3
- * Rated operating voltage of power contactors: up to 1000V; 50/60Hz
- * Composition of the power contact surfaces: unalloyed copper with coating 80% AgSnO
- * Surge voltage wear resistance: >8000V
- * Coil composition: pure coil copper QA-1 type
- * Magnetic core composition: steel alloy 360
- * Movable part composition: bakelite
- * Rated voltage of the coil: 230 and 400V AC
- * Limits of the controlling coil voltage: from 0.8 to 1.15 U_c
- * Joining terminal: screw terminal
- * Connecting:
 - flexible conductors with or without cable terminal
 - rigid conductors
 - rail
- * Electrical wear resistance (number of cycles): ≥10000000
- * Mechanical wear resistance (number of cycles): ≥10000000
- * Number of cycles (switching on) per hour: 200
- * Pole leaking power: from 16 to 80W
- * Mounting:
 - with bolts to the surface
 - mounting position: vertical gradient – maximum ± 10°C
- * Plastic: wear resistance of UV rays and non-flammable (self-extinguishing material)
- * Ambient temperature: -10°C + 60°C
- * Altitude: up to 2000m

Type	Overall dimensions (mm)							
	a	b	c	L	M	Q	Q1	P
LT 1 F150	163.5	170	171	107	150	26	57.5	40
LT 1 F225	168.5	197	181	113.5	172	21	51.5	48
LT 1 F265	201.5	203	181	141	178	39	66.5	48
LT 1 F400	213	206	219	145	182	43	74	48
LT 1 F630	309	304	255	155	264	60	89	80
LT 1 F800	309	304	255	155	264	60	89	80

Type number	Motor rated capacity (kW)							Coil capacity (VA)		Rated current in AC-3 440V to up	Tightening moment (N.m)	Coil voltage (V)	Packing/Box (pcs)	Catalogue number
	220V 230V	380V 400V	415V	440V	500V	660V 690V	1000V	closed	open					
LT1 - F115	30	55	59	59	59	80	60	45	550	115 A	18	230	1/4	23111
												400	1/4	23112
												12	1/4	23113
												24	1/4	23114
												36	1/4	23115
												48	1/4	23116
LT1 - F150	40	75	80	80	90	100	65	45	550	150 A	25	230	1/4	23151
												400	1/4	23152
												12	1/4	23153
												24	1/4	23154
												36	1/4	23155
												48	1/4	23156
LT1 - F225	63	110	110	110	129	129	100	55	805	225 A	35	110	1/4	23117
												230	1/2	23861
												400	1/2	23862
												12	1/2	23863
												24	1/2	23864
												36	1/2	23865
LT1 - F265	75	132	140	140	160	160	147	10	700	265 A	35	48	1/2	23866
												110	1/2	23867
												230	1/2	23261
												400	1/2	23262
												12	1/2	23263
												24	1/2	23264
LT1 - F400	110	200	220	250	257	280	185	18	1000	400 A	50	36	1/2	23265
												48	1/2	23266
												110	1/2	23267
LT1 - F630	200	335	375	400	400	450	450	25	1500	630 A	50	230	1/1	23751
												400	1/1	23752
												230	1/1	23771
LT1 - F800	250	450	450	450	450	475	450	15	1300	800 A	50	400	1/1	23772
												230	1/1	23881
												400	1/1	23882

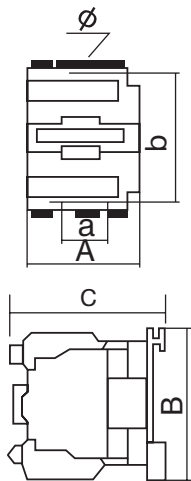
Note: At mounting the containers from the series in control schemes a distance must be provided at the side of the contactor in case of eventual coil change.



Documents corresponding to the product:

Standard EN60947-1; EN 60947-4-1

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LP1-D 09-95

The contactors LP1 D are alternating current contactors with constant current coil for control. The power plugs of the contactor are designed for control of alternating current circuits and consumers operating in normal operating class AC-3 with frequently switching on/off the consumer and dirty working environment. The contactors are suitable for consumers with electrical power consumption from 9A to 225A.

Functions:

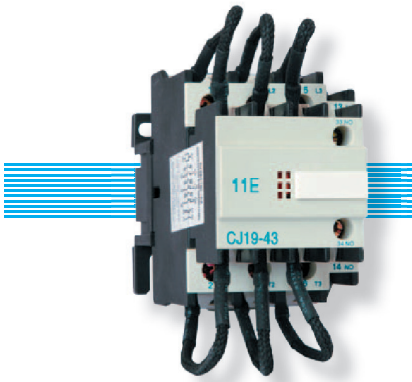
- switching on/off alternating current consumers in direct current controlling schemes at controlling signal to the coil
- making of systems for consumers' control
- used as an operating element in process control panels
- remarkable with high reliability of current characteristics
- reliable separation of power contacts
- secured cover of the movable part of the contactor

Technical data:

- * Rated operating voltage of the controlling coil: from 12V DC to 220V DC
- * Rated operating voltage of the power circuit: up to 690V DC
- * insulation voltage: 690V
- * Surge voltage wear resistance: >8000V
- * Limits of the controlling coil voltage: from 0.8 to 1.15 U_c
- * Joining terminal: screw terminal
- * Connecting:
 - flexible conductors with or without cable terminal
 - rigid conductors
- * Electrical wear resistance (number of cycles): ≥10000000
- * Mechanical wear resistance (number of cycles): ≥10000000
- * Number of cycles per hour: 1200 up to 32A; 600 for 40-95A
- * Pole leaking power: up to 13W
- * Mounting:
 - on DIN-rail or
 - with bolts to the surface
 - mounting position: vertical gradient – maximum ± 5°
- * Plastic: wear resistance of UV rays and non-flammable (self-extinguishing material)
- * Ambient temperature: -10°C + 60°C
- * Altitude: up to 2000m

Type	Overall dimensions (mm)				
	A	B	C	a	b
LP 1 D0910	47	76	95	34/35	50/60
LP 1 D1210	47	76	95	34/35	50/60
LP 1 D1810	47	76	95	34/35	50
LP 1 D2510	57	86	101	40	50
LP 1 D3210	57	86	101	40	50
LP 1 D4011	77	129	176	40	100
LP 1 D5011	77	129	176	40	100
LP 1 D6511	77	129	176	40	100
LP 1 D9511	87	129	182	40	100
LP 1 F115	163.5	170	171	40	150
LP 1 F150	163.5	170	171	40	150
LP 1 F225	168.5	197	181	48	172

Type	Rated current (A)	Auxiliary contact (pcs.)	Rated capacity of the consumer (kW)					Packing/Box (pcs)	Catalogue number according to the coil voltage (V DC)					
			230V	400V	415V	440V	690V		12	24	36	48	110	230
LP 1 D0910	9	1NO	2.20	4.00	4.00	4.00	5.50	1/40	23962	23098	23130	23971	23980	23139
LP 1 D1210	12	1NO	3.00	5.50	5.50	5.50	7.50	1/40	23963	23128	23131	23972	23981	23140
LP 1 D1810	18	1NO	4.00	7.50	7.50	7.50	10.0	1/40	23964	23188	23132	23973	23982	23141
LP 1 D2510	25	1NO	5.50	11.0	11.0	11.0	15.0	1/30	23925	23258	23133	23974	23983	23142
LP 1 D3210	32	1NO	7.50	15.0	15.0	15.0	18.5	1/30	23966	23328	23134	23975	23984	23143
LP 1 D4011	40	1NO+1NC	11.0	18.5	18.5	18.5	30.0	1/10	23967	23408	23135	23976	23985	23144
LP 1 D5011	50	1NO+1NC	15.0	22.0	22.0	22.0	33.0	1/10	23968	23508	23136	23977	23986	23145
LP 1 D6511	65	1NO+1NC	18.5	30.0	30.0	30.0	37.0	1/10	23969	23658	23137	23978	23987	23146
LP 1 D9511	95	1NO+1NC	25.0	45.0	45.0	45.0	45.0	1/10	23970	23958	23138	23979	23988	23147
LP 1 F115	115	1NO	30.0	55.0	59.0	59.0	80.0	1/4	23911	23118	23914	23917	23989	23148
LP 1 F150	150	1NO	40.0	75.0	80.0	80.0	100	1/4	23912	23158	23915	23918	23990	23149
LP 1 F225	225	1NO	63.0	110	110	110	129	1/2	23913	23228	23916	23919	23994	23201



Documents corresponding to the product:

Standard EN60947-1; EN 60947-4-1

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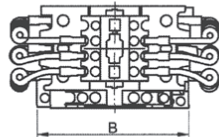
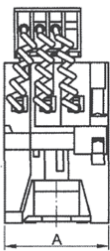
The AC contactors CJ19-43 are specially designed electrical devices for commutation of three phase capacitors used for power correction. They are alternating current contactor LT1 Dxx with mounted a group for peak current lowering from the transitional process of the capacitor's switching on/off. This group is a combination of current limiting resistors, switched on in the beginning of the transitional process (switching on/off of the capacitor group). The contactors are suitable for capacitors with rate up to 50 kVAr.

Functions:

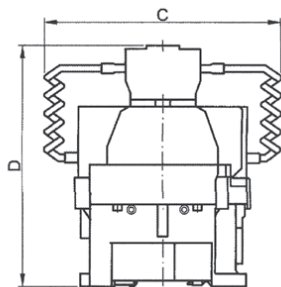
- switching on/off of capacitors for reactive power compensation
- making of systems for compensation of the energy reactive component
- lowering of the peak transitional currents at switching on/off of the capacitor
- remarkable with high reliability of current characteristics
- reliable separation of power contacts
- secured part of the contactor against consumer contact
- do not allow manual operation

Technical data:

- * Operation class: AC 6
- * Rated operating voltage of the controlling coil: 230V AC; 50/60Hz
- * Rated operating voltage of the power circuit: up to 690V AC
- * insulation voltage: 690V
- * Surge voltage wear resistance: >8000V
- * Limits of the controlling coil voltage: from 0.8 to 1.15 U_c
- * Number of the contacts: 3 NO power contacts + 1NO operative
- * Joining terminal: screw terminal
- * Connecting:
 - flexible conductors with or without cable terminal
 - rigid conductors
- * Electrical wear resistance (number of cycles): ≥300000
- * Mechanical wear resistance (number of cycles): ≥1000000
- * Number of cycles (switching on) per hour: up to 600
- * Pole leaking power: up to 13W
- * Mounting:
 - on DIN-rail or
 - with bolts to the surface
 - mounting position: vertical gradient – maximum ± 5°
- * Plastic: wear resistance of UV rays and non-flammable (self-extinguishing material)
- * Ambient temperature: -10°C + 60°C
- * Altitude: up to 2000m



Type	Overall dimensions (mm)			
	A	B	C	D
CJ19-32 DPK	56	74	130	150
CJ19-40 DPK	75	127	180	150
CJ19-65 DPK	85	127	200	157
CJ19-95 DPK	85	127	200	157
CJ19-115DPK	122	165	230	157
CJ19-150DPK	122	165	230	157
CJ19-170DPK	122	165	230	157



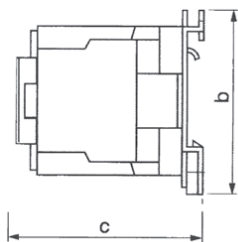
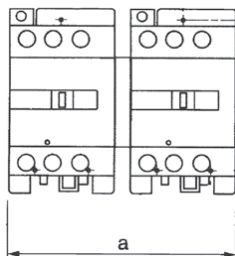
Type	Rated current (A)	Rated capacity of the consumer (kVAr)		Coil voltage (V)	Packing/Box (pcs)	Catalogue number
		400/440V	690V			
		CJ19-32 DPK	32			
CJ19-32 DPK	32	8	12.5	400	1/20	23910
CJ19-40 DPK	40	12.5	15	230	1/16	23900
CJ19-40 DPK	40	12.5	15	400	1/16	23940
CJ19-65 DPK	65	25	30	230	1/16	23961
CJ19-65 DPK	65	25	30	400	1/16	23965
CJ19-95 DPK	95	30	36	230	1/16	23909
CJ19-95 DPK	95	30	36	400	1/16	23995
CJ19-115 DPK	115	35	40	230	1/4	23991
CJ19-150 DPK	150	40	50	230	1/4	23992
CJ19-170 DPK	170	50	60	230	1/4	23993



Documents corresponding to the product:

Standard EN60947-1; EN 60947-4-1

The products are in accordance with the directives of EC "Low voltage directives (LVD) no. 73/23 EEC" and "Electromagnetic Compatibility Directives (EMC) no. 89/336 EEC"



LT 4-Dxx series contactors are specially designed electromagnetic devices for commutation of three phase induction motor with reversing controlling scheme. They represent two alternating current contactors LT 4-Dxx series factory mechanically joined together. The mechanical joining also provides locking of the contactors against simultaneous switching on. The contactor is used for reverse control of induction motors with shortly joined rotor. The contactors from the series are offered for consumers up to 95A.

Functions:

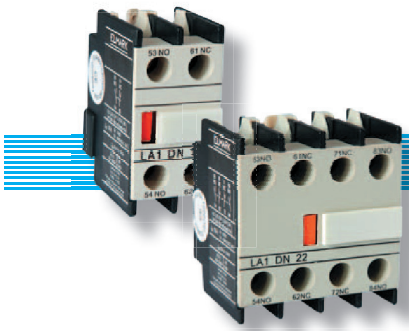
- switching on of electrical motors in one direction of rotation and reversing of the rotation direction at outside command
- making of control systems
- remarkable with high reliability of current characteristics
- reliable switching on or separation of power contacts
- secured part of the contactors against consumer contact
- secured cover of the movable part of the contactor
- impossibility for simultaneous switching on of the two contactors from the group due to mechanical locking

Technical data:

- * Operation class: AC 3
- * Rated operating voltage of the controlling coil: 230V AC; 50/60 Hz
- * Rated operating voltage of the power circuit: up to 690V AC
- * insulation voltage: 690V
- * Surge voltage wear resistance: >8000V
- * Limits of the controlling coil voltage: from 0.8 to 1.15 U_c
- * Number of plugs: 3 NO power contacts +1NO operative (for contactors over 40A there is also additional 1NC contact)
- * Joining terminal: screw terminal
- * Connecting:
 - flexible conductors with or without cable terminal
 - rigid conductors
- Note: The contactors are offered without fabric cabling
- * Electrical wear resistance (number of cycles): ≥1 000 000
- * Mechanical wear resistance (number of cycles): ≥10 000 000
- * Number of cycles (switching on) per hour: up to 600
- * Pole leaking power: up to 13W
- * Mounting:
 - on DIN-rail or
 - with bolts to the surface
 - mounting position: vertical gradient – maximum ± 5°
- * Plastic: wear resistance of UV rays and non-flammable (self-extinguishing material)
- * Ambient temperature: -10°C + 60°C
- * Altitude: up to 2000m

Type	Overall dimensions (mm)		
	A	B	C
LT 4 - D1810	100	70	83
LT 4 - D2510	130	80	98
LT 4 - D3210	130	80	105
LT 4 - D4011	167	126	116
LT 4 - D6511	167	126	116
LT 4 - D9511	182	127	127

Type	Rated current (A)	Rated capacity of the consumer (kW)					Packing/Box (pcs)	Catalogue number
		230V	400V	415V	440V	690V		
LT 4 D1810	18	4	7.5	7.5	7.5	10	1 / 20	23301
LT 4 D2510	25	5.5	11	11	11	15	1 / 20	23302
LT 4 D3210	32	7.5	15	15	15	18.5	1 / 20	23303
LT 4 D4011	40	11	18.5	18.5	18.5	30	1 / 8	23304
LT 4 D6511	65	18.5	30	30	30	37	1 / 8	23305
LT 4 D9511	95	25	45	45	45	45	1 / 6	23306



Auxiliary contacts

At necessity the element provide auxiliary number of contacts. They are specially designed for mounting on the movable part of the magnetic core of the contactors LT 1K/D series.

Functions:

- extending the number of the operative contactors up to 4 in different Combinations
- switches on simultaneously with the other contact system of the contactor

* Operation class: AC 3

* insulation voltage: 690V

* Joining terminal: screw terminal

* Connecting:

- flexible conductors with or without cable terminal
- rigid conductors

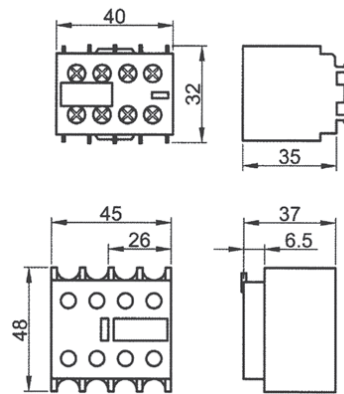
* Mounting:

- on the movable cover of the contactor through pinching
- mounting position: vertical gradient – maximum ± 5°
- * Plastic: wear resistance of UV rays and non-flammable (self-extinguishing material)

Documents corresponding to the product:

Standard EN 60947-4-1

The products are in accordance with the directives of EC “Low voltage directives (LVD) no. 73/23 EEC” and “Electromagnetic Compatibility Directives (EMC) no. 89/336 EEC”



Type	Number of contacts	Catalogue number
LT01-DN02	2NC	23002
LT01-DN11	NO+NC	23011
LT01-DN20	2NO	23020
LT01-DN22	2NO+2NC	23022
LT01-DN40	4NO	23040
LT01-DN04	4NC	23004
LT01-KN11	NO+NC	23001
LT01-KN22	2NO+2NC	23003



Auxiliary contacts LT03-DN11

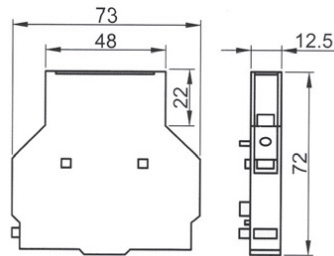
Providing on necessity additional number of plug points and are mounted sideward to the movable part of the magnetic cores of contactors of the series LT1 D. Variants with two additional plug points NO and NC are offered.

Functions:

- expanding the number of the operational plug points
- switching on simultaneously with the rest of the contact system of the contactor

Technical characteristics:

- * Environment operational regime: AC 3
- * Insulation voltage: 690V
- * Double connector: screw connector
- * Connection:
 - flexible conductors with or without cable end
 - solid conductors
- * Mounting method:
 - mounting position – sideward to the contactor
- * Plastic: resistant to UV and non-burning (self-extinguishing material)

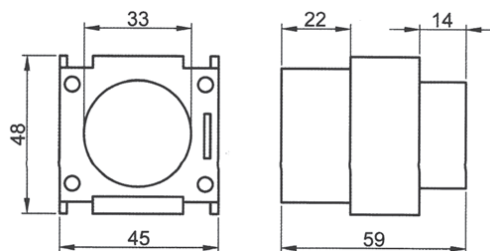


Type	Catalogue number
LT03-DN11	23311

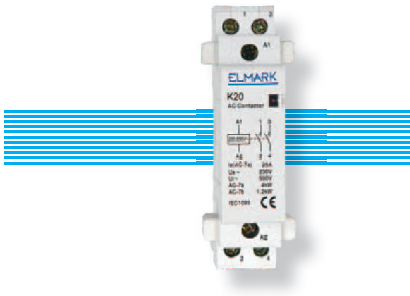


Time delay contact block LT02-Dxx

LT02-Dxx is designed to set time intervals from 0.1 to 180s in different control schemes. It is used most frequently in combination with contactors from LT1-Dxx series to form “star/delta” starters for electrical motor control, as it provides the necessary time for motor winding.



Type	Number of contacts	Time delay	Catalogue number
LT02-DT0	NO+NC	0.1~3s	23901
LT02-DT2	NO+NC	0.1~30s	23902
LT02-DT4	NO+NC	10~180s	23903



Modular contactors K series are used for commutation of mono-phase and three-phase low power electrical consumers. They provide connection between the consumers in small overall dimensions, silent work, mounting only at DIN-rails.

Functions:

- switching on of consumers
- making of control systems
- remarkable with high reliability of current characteristics
- reliable switching on or separation of power contacts

Technical data:

- * Operation class: AC 7a
- * Rated operating voltage of the controlling coil: 230V AC; 50/60 Hz
- * Rated operating voltage of the power circuit: up to 690V AC
- * insulation voltage: 690V
- * Surge voltage wear resistance: >8000V
- * Joining terminal: screw terminal
- * Connecting:
 - flexible conductors with or without cable terminal
 - rigid conductors
- * Mounting:
 - on DIN-rail or
 - mounting position: vertical gradient – maximum ± 5°
- * Plastic: wear resistance of UV rays and non-flammable (self-extinguishing material)
- * Ambient temperature: -10°C + 60°C
- * Altitude: up to 2000m

Documents corresponding to the product:

Standard EN 61095
The products are in accordance with the directives of EC "Low voltage directives (LVD) no. 73/23 EEC" and "Electromagnetic Compatibility Directives (EMC) no. 89/336 EEC"



Type	In	Coil voltage (V)	Contacts	Packing/Box (pcs)	Catalogue number
K20	20A	230V	2NO	1 / 17 / 170	23008
K20	20A	230V	NO+NC	1 / 17 / 170	23007
K20	20A	230V	2NC	1 / 17 / 170	23009
K40	40A	230V	2NO+2NC	1 / 5 / 50	23422
K40	40A	230V	4NO	1 / 5 / 50	23409

