

**Documents corresponding to the product:**

Standard EN 60947-1; EN 60 947-4-1



**LOW VOLTAGE CONTACTORS LT1-D/HK**

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: utilization category 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

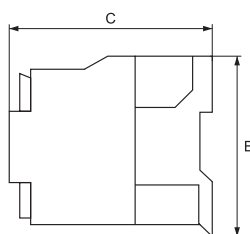
- Coil material: pure copper type QA-1
- Magnetic core material: alloy steel type 360
- Moveable part material: Bakelite
- Limits of the controlling coil voltage: operating range of coil
- Joining terminal: screw terminal
- Connecting:
  - flexible conductors with or without cable terminal
  - rigid 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:**

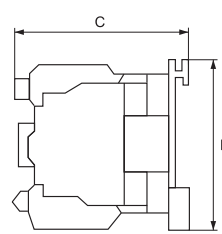
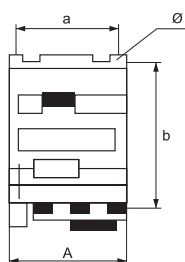
- on DIN-rail
- with bolts to the surface
- mounting position: vertical gradient – maximum ± 5°
- Plastic: wear resistance of UV rays and non-flammable (self-extinguishing material)
- Ambient temperature: -10°C + 65°C
- Altitude: up to 2000m



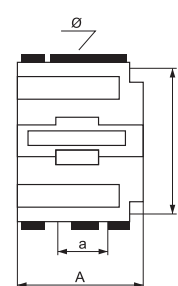
Type	Overall dimensions (mm)					
	a	b	∅	A	B	C
LT1-HK 06~12/LT-1K	34/35	45	4.5	45	50	50
LT-D 09~12	34/35	50/60	4.5	47	70	82
LT1 D18	34/35	50/60	4.5	47	70	87
LT1 D25	40	48	4.5	57	80	95
LT1 D32	40	48	4.5	57	80	100
LT-D 40~65	40	100/110	6.5	77	126	116
LT-D 80~95	40	100/110	6.5	87	126	127



LT1-D 09~32  
LT1 - K



LT-D 95~40



# AUTOMATION

## LOW VOLTAGE CONTACTORS LT1-D/HK

Type number	Rated capacity (kW)						Power consumption of coil (VA)		Rated current in AC-3 440V to up	Tightening moment (N.m)	Section of the power supply conductor	Packing/ Box (pcs)	Product category	Catalogue number according to the coil voltage (V)						
	220V 230V	380V 400V	415V	440V	660V 690V	closed inrush	open hold	230V						400V	12V	24V	36V	48V	110V	
LT 1 - HK 0610 1NO	1.5	2.2	2.2	2.2	3	7	60	6A	1.7	0.75-2.5	1 / 100	B	<b>23061E 23062E 23063E 23064E 23065E 23066E 23067E</b>							
LT 1 - HK 0910 1NO	2.2	3.7	3.7	3.7	4	7	60	9A	1.7	0.75-2.5	1 / 100	F	<b>23091E 23092E 23093E 23094E 23095E 23096E 23097E</b>							
LT 1 - HK 1210 1NO	3	4	4	4	5	7	60	12A	1.7	0.75-2.5	1 / 100	F	<b>23121E 23122E 23123E 23124E 23125E 23126E 23127E</b>							
LT 1 - HK 0610 1NO*	1.5	2.2	2.2	2.2	3	7	60	6A	1.7	0.75-2.5	1 / 100	F	<b>23062 23063 23065 23066 23067</b>							
LT1 - D0910 1NO	2.2	4	4	4	5.5	7	60	9A	1.7	1-4	1 / 50	B	<b>23091 23092 23093 23094 23095 23096 23097</b>							
LT1 - D0901 1NC	2.2	4	4	4	5.5	7	60	9A	1.7	1-4	1 / 50	B	<b>23273 23270 23271 23272 23277 23278 23279</b>							
LT1 - D1210 1NO	3	5.5	5.5	5.5	7.5	7	60	12A	1.7	1-4	1 / 50	B	<b>23121 23122 23123 23124 23125 23126 23127</b>							
LT1 - D1201 1NC	3	5.5	5.5	5.5	7.5	7	60	12A	1.7	1-4	1 / 50	B	<b>23274 23280 23281 23282 23283 23284 23285</b>							
LT1 - D1810 1NO	4	7.5	9	9	10	7	60	18A	1.7	1-4	1 / 50	B	<b>23181 23182 23183 23184 23185 23186 23187</b>							
LT1 - D1801 1NC	4	7.5	9	9	10	7	60	18A	1.7	1-4	1 / 50	B	<b>23275 23286 23287 23288 23289 23290 23291</b>							
LT1 - D2510 1NO	5.5	11	11	11	15	7.5	90	25A	2.5	2.5-10	1 / 50	B	<b>23251 23252 23253 23254 23255 23256 23257</b>							
LT1 - D2501 1NC	5.5	11	11	11	15	7.5	90	25A	2.5	2.5-10	1 / 50	B	<b>23276 23292 23293 23294 23295 23296 23297</b>							
LT1 - D3210 1NO	7.5	15	15	15	18.5	7.5	90	32A	2.5	2.5-10	1 / 50	B	<b>23321 23322 23323 23324 23325 23326 23327</b>							
LT1 - D4011 1NO+1NC	11	18.5	22	22	30	20	200	40A	5	2.5-16	1 / 20	B	<b>23401 23402 23403 23404 23405 23406 23407</b>							
LT1 - D5011 1NO+1NC	15	22	25	25	33	20	200	50A	5	6-25	1 / 20	B	<b>23501 23502 23503 23504 23505 23506 23507</b>							
LT1 - D6511 1NO+1NC	18.5	30	37	37	37	20	200	65A	5	6-25	1 / 20	B	<b>23651 23652 23653 23654 23655 23656 23657</b>							
LT1 - D8011 1NO+1NC	22	37	45	45	45	20	200	80A	9	10-50	1 / 15	B	<b>23801 23802 23803 23804 23805 23806 23807</b>							
LT1 - D9511 1NO+1NC	25	45	45	45	45	20	200	95A	9	10-50	1 / 15	B	<b>23951 23952 23953 23954 23955 23956 23957</b>							