

Контактор Elmark променливотоков 3P (3 NO), 1 NO + 1 NC, 48 AC V, 65 A, LT1-D 6511



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

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

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