

## TECHNICAL SPECIFICATION

### Reverse contactors LT4-Dxx



#### Description:

LT 4-Dxx series contactors is suitable for across-the-line starting and reversing of 3-phase squirrel cage and slip ring motors. It consists of two magnetic contactors LT1D. The contactor is provided with a built-in interlock safety mechanism. The contactor is used for reverse control of induction motors with shorted 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:

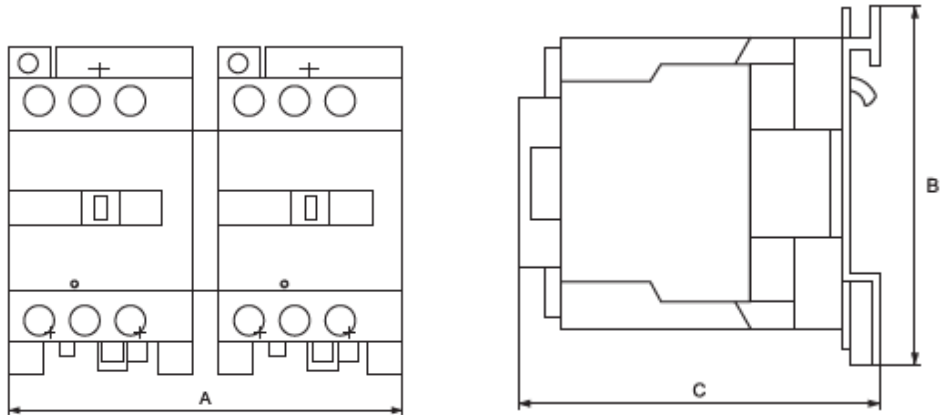
- Operation class: AC 3
- Rated operating voltage of the controlling coil: 230V AC; 50/60 Hz
- Rated operating voltage of the power circuit: up to 690V AC
- insulation voltage: 690V
- Plastic: wear resistance of UV rays and non-flammable (self-extinguishing material)
- Surge voltage wear resistance: >8000V
- Limits of the controlling coil voltage: from 0.8 to 1.15 U<sub>c</sub>
- 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
- 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

**Note:** The contactors are offered without factory cabling

## Mounting:

- On DIN-rail or with bolts to the surface
- mounting position: vertical gradient – maximum ± 5°
- Ambient temperature: -10°C + 65°C
- Altitude: up to 2000m

## Dimensions:



Type	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

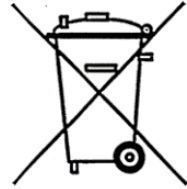
## Variants:

Type	Rated current (A)	Rated capacity of the consumer					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

## Standards

EN60947-1;

EN 60947-4-1



The products are in accordance with the directives of EC “Low voltage directives (LVD) no. 2006/95/EC” and “Electromagnetic Compatibility Directives (EMC) no. 2004/108/EC”