

TECHNICAL SPECIFICATION

Reverse starter



Description:

The electromagnetic starters LT4 Dxx series are devices used for direct start, reverse start and protection of induction motors with short connected rotor. They are a combination of two contactors LT1 Dxx series supplied with two buttons “start” and one “stop” factory cabled. They provide the unwinding of the motor in one of the directions with possibility for pushing the button “stop” and giving command from the other “start” for changing the motor winding direction. The two contactors are mechanically blocked and do not allow simultaneous start in both winding directions. The starters are offered – closed type in metal boxes providing the corresponding IP code from dust and moisture (IP54) as at mounting there should be provided protection of the device from short circuit through breakers or disconnectors. The starters are offered with mounted thermal protection which can be substituted according to the motor power. The choice of a suitable protection prevents motor’s operation at unusual temperature conditions and guarantees maximum constant operation, increases the effectiveness and prolongs the term of

exploitation. If necessary, at order the power supply operating voltage of the pneumatic starter can be changed.

Functions:

- switching on alternating current three phase motors in one winding direction, switching off and change of the winding direction at giving a signal
- does not allow secondary unwarranted switching on of the starter at transitory lowering of the voltage
- protects the motor from overload in the range of the corresponding thermal protection
- remarkable with high reliability of current characteristics

Technical data:

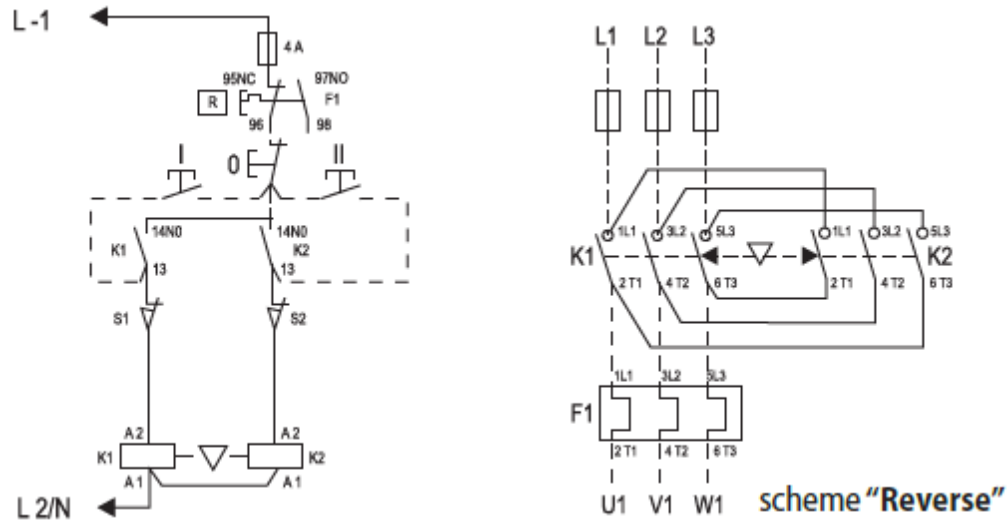
- Rated voltage of the controlling voltage: 400V AC; 50/60 Hz

Note: In case you need different controlling coils voltage of the starters you can turn to our regional representatives.

- Rated operating voltage: 690V
- Rated operating current range: from 7 to 93 A AC
- insulation voltage: 690V
- Surge voltage wear resistance: $\geq 6000V$
- Joining terminal: screw terminal
- Little power consumption and small dimensions
- Connecting:
 - flexible or rigid conductors with or without cable terminal for joining to the consumer and section according to the motor power
 - three by three inlets/outlets supplied with orifices for the cables
- Possibility for operation at higher frequency
- IP code: IP 44
- Mounting:
 - mounting to a flat surface (wall) with bolts/ screws
 - mounting position: vertical gradient – maximum $\pm 5^\circ$

- Plastic: wear resistance of UV rays and non-flammable (self-extinguishing material)
- The metal body is covered with corrosion-proof paint
- Ambient temperature: -10°C + 65°C
- Altitude: up to 2000m

Schemes:



Dimensions:

Type designation (with a box)	height	width	depth
L4 – B – D25A	240	240	160
L4 – B – D32A	240	240	160
L4 – B – D40A	270	265	160
L4 – B – D65A	270	265	160
L4 – B – D95A	270	265	160
L4 – B – 25A	240	240	160
L4 – B – D32A	240	240	160
L4 – B – D40A	270	265	160
L4 – B – D65A	270	265	160
L4 – B – D95A	270	265	160

Variants:

Type designation (with a box)	Rated capacity (kW)				Rated current (A)	Coil voltage (V AC)	Packing / Box (pcs)	Catalogue number
	220V 230V	380V 400V	415V	440V				
LT 4 – B – D25A	11.0	15.0	15.0	15.0	25	400	1 / 8	43001
LT 4 – B – D32A	15.0	18.5	18.5	18.5	32	400	1 / 4	43002
LT 4 – B – D40A	18.5	22.0	22.0	22.0	40	400	1 / 2	43003
LT 4 – B – D65A	30.0	55.0	55.0	55.0	65	400	1 / 4	43004
LT 4 – B – D95A	37.0	75.0	75.0	75.0	95	400	1 / 4	43005
LT 4 – B – D25A	11.0	15.0	15.0	15.0	25	230	1 / 4	43006
LT 4 – B – D32A	15.0	18.5	18.5	18.5	32	230	1 / 4	43007
LT 4 – B – D40A	18.5	22.0	22.0	22.0	40	230	1 / 4	43008
LT 4 – B – D65A	30.0	55.0	55.0	55.0	65	230	1 / 4	43009
LT 4 – B – D95A	37.0	75.0	75.0	75.0	95	230	1 / 4	43010

Standards

Standard EN 60947-1;

EN 60947-4-1