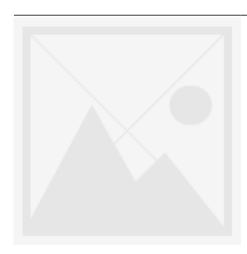
# Product datasheet Characteristics

## LC1D95D5

TeSys D contactor 3P 95A AC-3 <= 440V - aux 1NO+1NC - coil 42V 50Hz



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TeSys D	
TeSys	
Contactor	
LC1D	-
Motor control Resistive load	
AC-1 AC-3 AC-4	
AC at 50 Hz	
3P	
3 NO	· · · · · · · · · · · · · · · · · · ·
95 A (at <60 °C) at <= 440 V AC-3 for power circuit 125 A (at <60 °C) at <= 440 V AC-1 for power circuit	
25 kW at 220230 V AC 50 Hz (AC-3) 45 kW at 380400 V AC 50 Hz (AC-3) 45 kW at 415440 V AC 50 Hz (AC-3) 55 kW at 500 V AC 50 Hz (AC-3) 45 kW at 660690 V AC 50 Hz (AC-3) 45 kW at 1000 V AC 50 Hz (AC-3)	
	TeSys  Contactor  LC1D  Motor control Resistive load  AC-1 AC-3 AC-4  AC at 50 Hz  3P  3 NO  95 A (at <60 °C) at <= 440 V AC-3 for power circuit 125 A (at <60 °C) at <= 440 V AC-1 for power circuit 25 kW at 220230 V AC 50 Hz (AC-3) 45 kW at 380400 V AC 50 Hz (AC-3) 45 kW at 415440 V AC 50 Hz (AC-3) 55 kW at 500 V AC 50 Hz (AC-3) 45 kW at 660690 V AC 50 Hz (AC-3)

#### Complementary

oil technology Without built-in bidirectional peak limiting diode suppressor		Ş
Protective cover	With	
Motor power hp	7.5 hp at 115 V AC 60 Hz for 1 phase motors 15 hp at 230/240 V AC 60 Hz for 1 phase motors 25 hp at 200/208 V AC 60 Hz for 3 phases motors 30 hp at 230/240 V AC 60 Hz for 3 phases motors 60 hp at 460/480 V AC 60 Hz for 3 phases motors 60 hp at 575/600 V AC 60 Hz for 3 phases motors	
Auxiliary contacts type	type mechanically linked 1 NO + 1 NC conforming to IEC 60947-5-1 type mirror contact 1 NC conforming to IEC 60947-4-1	
Auxiliary contact composition	1 NO + 1 NC	1
[Uc] control circuit voltage	42 V AC 50 Hz	
Control circuit voltage limits  Drop-out: 0.30.6 Uc at 50 Hz (at <55 °C)  Operational: 0.851.1 Uc at 50 Hz (at <55 °C)		

[Ui] rated insulation voltage	Power circuit: 1000 V conforming to IEC 60947-1		
	Power circuit: 600 V UL certified  Power circuit: 600 V CSA certified		
	Signalling circuit: 690 V conforming to IEC 60947-1		
	Signalling circuit: 600 V UL certified		
[Uimp] rated impulse withstand voltage	Signalling circuit: 600 V CSA certified		
Overvoltage category	8 kV conforming to IEC 60947		
Mounting support	Rail		
Woulding Support	Plate		
Flame retardance	V1 conforming to UL 94		
Connections - terminals	Control circuit: screw clamp terminals 1 cable(s) 14 mm²rigid Control circuit: screw clamp terminals 2 cable(s) 14 mm²rigid		
	Control circuit: screw clamp terminals 2 cable(s) 14 mm²flexible without cable end		
	Control circuit: screw clamp terminals 2 cable(s) 14 mm²flexible without cable end		
	Control circuit: screw clamp terminals 1 cable(s) 12.5 mm²flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 12.5 mm²flexible with cable end		
	Power circuit: screw terminals 1 cable(s) 450 mm²rigid		
	Power circuit: screw terminals 2 cable(s) 425 mm²rigid  Power circuit: screw terminals 1 cable(s) 450 mm²flexible without cable end		
	Power circuit: screw terminals 2 cable(s) 425 mm²flexible without cable end		
	Power circuit: screw terminals 1 cable(s) 450 mm²flexible with cable end Power circuit: screw terminals 2 cable(s) 416 mm²flexible with cable end		
Tightening torque	Control circuit: 1.2 N.m - on screw clamp terminal - with screwdriver flat Ø 6 mm		
	Control circuit: 1.2 N.m - on screw clamp terminal - with screwdriver Philips No 2		
	Power circuit: 9 N.m - on screw terminal - with screwdriver flat Ø 6 to Ø 8 mm  Power circuit: 9 N.m - on screw terminal - with screwdriver hex (Allen key)4 mm		
[Ue] rated operational voltage	Power circuit: <= 1000 V AC 25400 Hz Power circuit: <= 300 V DC		
[lth] conventional free air thermal current	10 A (at 60 °C) for signalling circuit 125 A (at 60 °C) for power circuit		
Irms rated making capacity	140 A AC for signalling circuit conforming to IEC 60947-5-1		
	250 A DC for signalling circuit conforming to IEC 60947-5-1 1100 A at 440 V for power circuit conforming to IEC 60947		
Rated breaking capacity	1100 A at 440 V for power circuit conforming to IEC 60947		
Associated fuse rating	10 A gG for control circuit conforming to IEC 60947-5-1 200 A gG at <= 690 V coordination type 1 for power circuit 160 A gG at <= 690 V coordination type 2 for power circuit		
Average impedance	0.8 mOhm - Ith 125 A 50 Hz for power circuit		
Power dissipation per pole	12.5 W AC-1 7.2 W AC-3		
Inrush power in VA	200 VA 50 Hz cos phi 0.75 (at 20 °C)		
Hold-in power consumption in VA	20 VA 50 Hz cos phi 0.3 (at 20 °C)		
Operating time	2035 ms closing 620 ms opening		
Safety reliability level	B10d = 1369863 cycles contactor with nominal load conforming to EN/ISO 13849-1 B10d = 20000000 cycles contactor with mechanical load conforming to EN/ISO 13849-1		
Mechanical durability	10 Mcycles		
Maximum operating rate	3600 cyc/h 60 °C		
Electrical durability	1.2 Mcycles 95 A AC-3 at Ue <= 440 V 1.3 Mcycles 125 A AC-1 at Ue <= 440 V		
Minimum switching current	5 mA for signalling circuit		
Minimum switching voltage	17 V for signalling circuit		
Non-overlap time	1.5 ms on de-energisation between NC and NO contacts 1.5 ms on energisation between NC and NO contacts		
Insulation resistance	> 10 MOhm for signalling circuit		
Terminals description ISO n°1	(13-14)NO (21-22)NC (A1-A2)CO		
Height	127 mm		
Width	85 mm		
Depth	130 mm		
Product weight	1.61 kg		
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#### Environment

Standards	EN/IEC 60947-4-1 EN/IEC 60947-5-1 UL 60947-4-1 CSA C22.2 No 60947-4-1	
Product certifications	UL CSA CCC EAC LROS (Lloyds register of shipping) DNV-GL RINA BV	
IP degree of protection	IP20 conforming to IEC 60529	
Protective treatment TH (pollution degree 3) conforming to IEC 60068-2-30		
Ambient air temperature for operation	-560 °C	
Ambient air temperature for storage	-6080 °C	
Permissible ambient air temperature around the device	-4070 °C at Uc	
Operating altitude	3000 m without	
Fire resistance	850 °C conforming to IEC 60695-2-1	
Shock resistance	8 gn contactor opened 10 gn contactor closed	
Vibration resistance	2 gn 5300 Hz contactor opened 3 gn 5300 Hz contactor closed	
Heat dissipation	610 W at 50 Hz for control circuit	

### Contractual warranty

Warranty	18 months	